

THE CHEMIST AND DRUGGIST

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The Publicity behind 'Allenburys' **FRUITINE CONFECTION** *The All-Fruit Laxative FOR INFANTS & YOUNG CHILDREN.*

The delightful advertisements we reproduce are appearing in all the chief women's papers - 'Sketch', 'Tatler', 'Ladies Field', 'Lady's Pictorial', 'Woman's Supplement to the 'Times', 'Eve', etc., etc., and are creating a great demand for this Allenburys Product.

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**25%
PROFIT
P.A.T.A.**

Just the Line for Christmas.

Wright's Concentrates



Gold Labels,
Rod Stoppers.

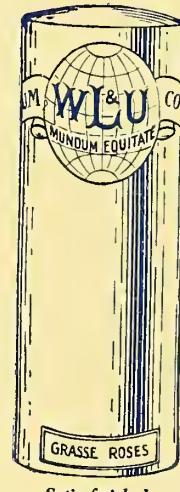
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PERFUMES AT ITS BEST

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Special Blends.

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Beautifully fragrant and lasting.

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Manufactured throughout in the County of Sussex.

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fragrant with the sweet smell
of the Sussex Wood Violet.

■ ■ ■

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3 tablets, to retail at 3/6
Per 28/- dozen.

■ ■ ■

Carriage paid on orders for £3

ARTHUR H COX & CO LTD
Manufacturing Chemists
BRIGHTON ENGLAND



TRADE MARK

Established 1839



A A

Stock this profitable New Line

G.L. FORMALIN

To meet the heavy increase in manufacturing, overhead, and advertising charges, we are at last compelled to increase the selling prices of **FORMAMINT**. As from October 8 they will be as follows :

Stamped	-	Selling Price to public : 2/9 per bott. To the Retail Trade : 26/- per dozen Discount to Wholesaler - 12½ %
Unstamped	-	Selling Price to public : 2/6 per bott. To the Retail Trade: 21/3 per dozen Discount to Wholesaler - 12½ %

FORMAMINT will thus yield you a substantially greater profit ; but the chances are that there will also be an increase in the demand for cheaper "substitutes" commonly sold as Formalin Tablets.

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As G.L. Formalin does not bear our name and requires no patent-medicine stamp, you can sell it as your own proprietary at any price you like—say, 1/- to 1/6 per bottle. And the Trade terms are only 85/- per gross, leaving you a most generous margin of profit.

Messrs. Sangers are the sole distributing agents for the United Kingdom, and we suggest that you send us a trial order which we will hand to them. Please send it promptly ; for a very large demand is anticipated and there is no doubt whatever that G.L. Formalin will be the most profitable "substitute" for Formamint that you could handle.

NOTE.—Abundant supplies of Genaspin are now available. It has been suggested to us that we should introduce a small trial size of Genaspin, and we should be glad to hear from our friends in the Trade as to whether this idea appeals to them.

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(Chairman - - - - - THE VISCOUNTESS RHONDDA)

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Ice, 39/41° C. Detached, 40° C. Liquefied, 40° C.

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Meta-Cresol	Nitrocresols
98/100 %, 75/80 %, 60 %	" Acrosyl "
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and Special Cresol.

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LINE.

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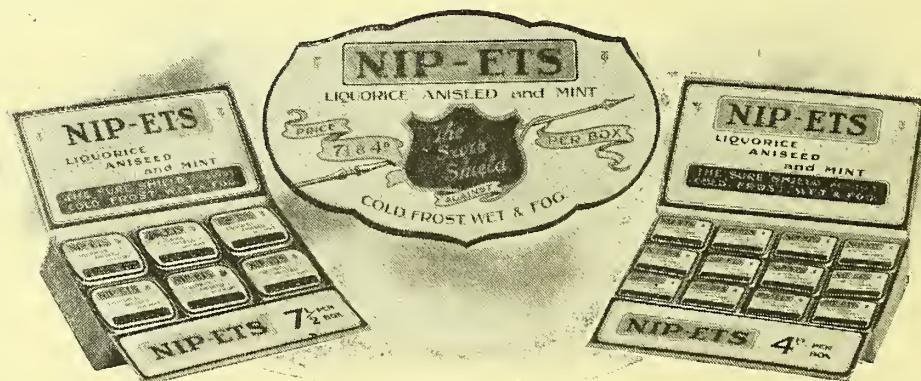
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4d. tins, packed in } 2/9 per doz. 30/- per gross.
2-doz. outers - - -

7½d. tins, packed in } 4/9 per doz. 54/- per gross.
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Prices net.

£3 value carriage paid.



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our Price List?

THOS. GUEST & CO., Ltd.
CARRUTHERS STREET,
ANCOATS, MANCHESTER.

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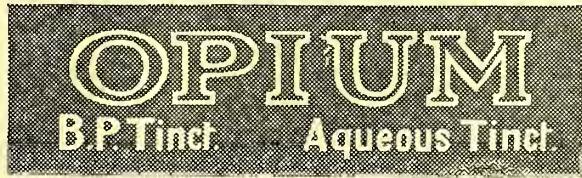
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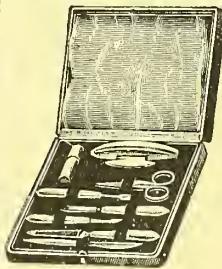
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 WINTER, E., & CO., LD., *Silver Leaf, &c.* 20
 WOOLACOTT, W. G., *Surgical* lvi
 WRIGHT, LAYMAN & UMMET, LD. Cover
 ZEAL, G. H., *Clinicals* 49
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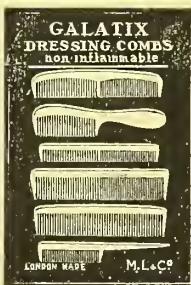


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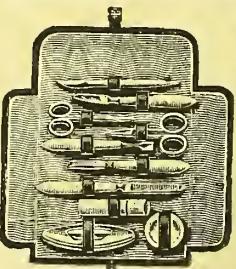


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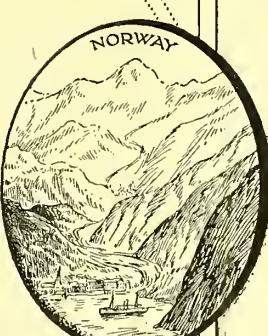
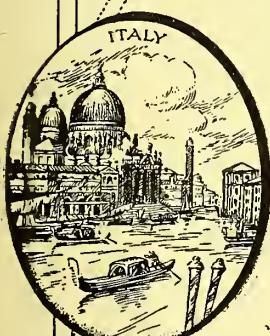
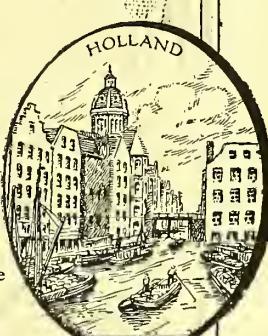
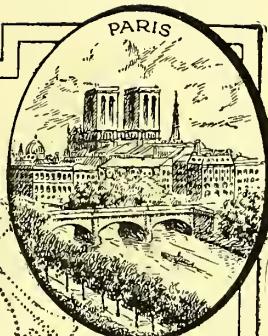
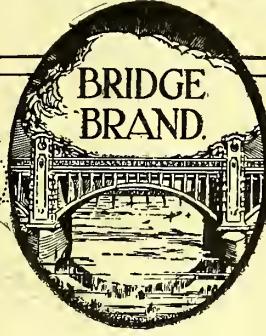
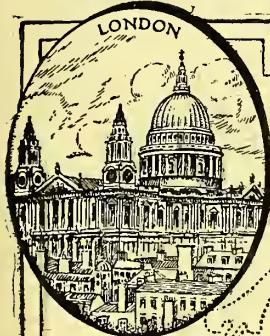
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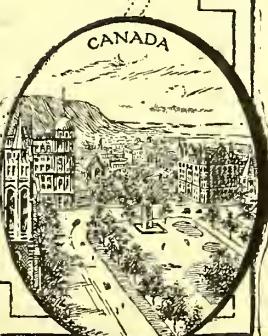
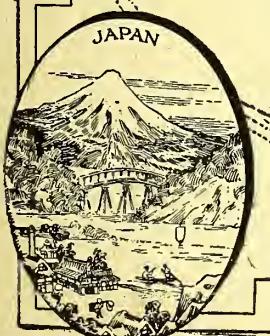
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The Finest Insurance Policy ever Issued.

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Maw's Page

October 30, 1920.

No. 472.



Will your Christmas Business come to an end on Dec. 24?

Doubtless you are aiming at record business for Christmas 1920. Do you go a step further? Are you planning to make regular customers through your Christmas Business, and thus to secure a steady flow of increased business throughout the year 1921?

"Parex" Manicure Methods will help you to achieve both these objects. The quality, utility, and attractive presentation of these lines, combined with their suitability as Christmas Gifts, will enable you to secure record business this Christmas.

The facts that "Parex" quality always produces repeat orders, and that "Parex" Manicure Methods are only supplied to chemists, make it equally certain that your Christmas business will bring in its train a lasting, regular increase, and that this increase will come to you and not to outside competitors.

The word "Parex" is the chemist's safeguard. "Parex" Manicure Methods are the chemist's own lines. We definitely refuse to supply them to anybody but chemists. Make this Christmas the chemist's Christmas by using all your efforts to push sales of

"Parex" Manicure Methods

The November issue of "The M. S. S.," the Monthly Magazine of the House of Maw, will contain details of a Christmas Window-Dressing Scheme in connection with "Parex" Manicure Methods of vital interest to all Chemists. Watch for your copy.

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(REG. TRADE MARK.)

Reduced Prices.

On and after
NOVEMBER 1st
the prices for

Southalls Sanitary Towels

will be as follows :—

SIZE.	TRADE, Per Gross.	RETAIL, Per Doz.	SIZE.	TRADE, Per Gross.	RETAIL Per Doz.
0	12/4	1/3	X	34/7	3/9
1	16/2	1/9	5	34/7	3/9
2	20/9	2/3	XX	39/3	4/3
3	25/4	2/9	Blue	37/-	4/-
4	27/8	3/-			

**THERE IS NO REDUCTION IN THE PRICE
OF SOUTHALLS' SPECIALITIES.**

The revised prices all provide for the usual profit of

25 per cent. on Sales

on all sizes except Size 0, on which the profit is
20% on Sales.

SOUTHALL BROS. & BARCLAY, Ltd.,
SALTLEY, BIRMINGHAM.

THE ROOT CAUSE

of the success of the really popular Tooth Pastes is that they are good pastes. They excel in those qualities that appeal to the man, woman and child, *viz.* a refreshing lasting coolness, a generous fulness of flavour and, of course, efficient antiseptic and cleansing powers.

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BUT IF YOU CAN supply your own paste at least as good, in a style at least as good, then you can build up a goodwill that is as valuable to you as is the goodwill you build up for other people by the sale of other people's goods.

THE MACLEAN SERVICE can help you by giving you the Cream of Dental Creams in decorated tubes, with your own name a part of the colour enamel decoration (in the quantities you usually buy), and attractive cartons to match.

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WEST CENT, LONDON

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High-Class Perfumes

We offer a big selection of Perfumes in various fancy dressings, suitable for the Christmas trade.

Supplies of bottles are limited, and in cases where a particular number is ordered, but which has been cleared, we will send nearest, unless instructed to the contrary.

	Per dozen
D7. Fancy 2oz. bottle, dull-finish stopper, in beautifully made, fancy satinette lined case	111/-
D5. Squat fancy stoppered bottle in lined embossed case ...	96/-
D11. Similar to D7, but with cheaper bottle	80/-
D1. Handsome three-sided fancy-stoppered bottle, dull finish, with polished panels and stopper	72/-
D9. Fancy squat bottle with dull-finish stopper in fancy lined case	72/-
AM12. Tall, fancy 2oz. bottle, with dull-finish mushroom stopper in satin lined case ...	72/-
AM6. Fancy 2oz. dull-finished bottle and stopper, in suede finish satin lined case	69/-
D3. Tall, fancy, round pattern bottle with dull-finish fancy stopper	66/-
D2. Tall, fancy, flat bottle, short neck, with dull-finish glass stopper	63/-
AM9. Triangular dull-finish bottle and stopper in satin lined case...	63/-
AM3. Fancy 2oz. flat bottle, neatly finished off, in case ...	57/-
AM10. Squat dull-finish bottle and stopper, in satin lined case ...	54/-
AM12A. Same as AM12, 1oz. bottle	52/-
AM5. Same as AM6, 1oz. bottle	52/-
AM11. Fancy squat bottle with dull-finish stopper, in satin lined case	47/-
D8. 1oz. squat bottle with dull-finish stopper, in art style satin lined case	45/-
AM2. Same as AM3, 1oz. bottle	39/-
AM4. Same as AM6, $\frac{1}{2}$ oz. bottle	36/-
AM8. Square 1oz. bottle, dull-finish mushroom stopper, in upright case	36/-
AM7. Same as AM8, $\frac{1}{2}$ oz. bottle	24/-
AM1. Same as AM3, $\frac{1}{2}$ oz. bottle	24/-

WHERE SIZE IS GIVEN, THE QUANTITY IS NOMINAL ONLY

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**JOB BROTHERS
GUARANTEED PURE GENUINE
NEWFOUNDLAND NON-FREEZING
MEDICINAL COD LIVER OIL
IS THE FINEST OIL PRODUCED**

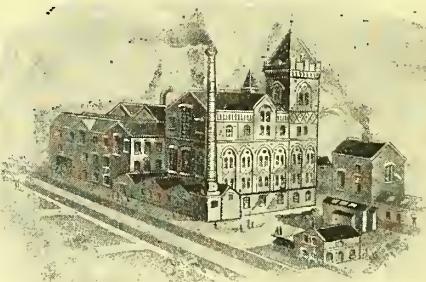
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(REGD.)

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“SANOID” THERMAL WOOL

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and all Chest Affections.*



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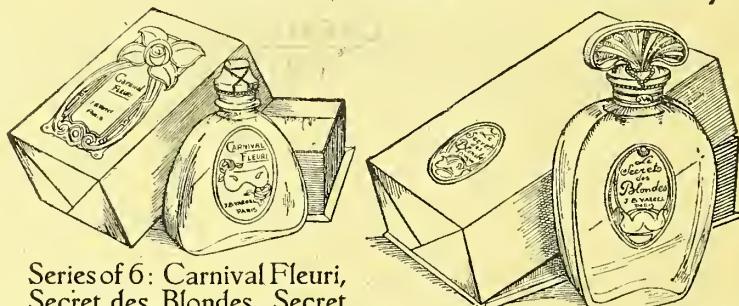
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10/6 - 84/- doz. stoppered bottles, gay labels, each in box.
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LAVENDER ICE



THE
CASSON CHEMICAL CO.

LIMITED,

44a WESTBOURNE GROVE, LONDON, W. 2.
Telephones: Park, 2884 & 3568.

PUFFS of ALL KINDS in DOWN and WOOL.
SOLID FACE POWDERS
COMPLETE WITH PUFFS.
Inquiries invited by makers.
F. SCHUTZE & CO., Ltd.,
BLACK BULL WORKS,
Caledonian Market, London, N.7.

PERFUMERS! SHORTAGE OF LABOUR

Advertisers are prepared to undertake the blending of Shampoo, Tooth, and other Toilet Powders, in large or small quantities at lowest possible rates. Good workmanship and prompt delivery. Ingredients supplied, if desired, at lowest market prices. Write, stating requirements.

MARTIN & CO., 71 City Road, Finsbury, London, E.C. 1.

Orisal

Regd.

The Orginal and successful Remedy for PYORRHCEA

Prescribed by the Dental Profession.

PRICES.

Wholesale (including Government Duty)	Retail
Dental Paste 22/- per doz.	" 6d. ... 2/6 per tube.
Mouth Wash 44/- "	" 1/- ... 5/- per bottle.
Special Brush 24/- "	" ... 2/6 each.

Of Wholesalers, or direct from

ORISAL Ltd., 77 George St., Portman Sq., W.1.

"Perivale" Page



Crème de Menthe TOOTH PASTE

(A "Perivale" Preparation.)

TO THE TRADE

PESSIMISTS tell us there is no room on the market for another series of toilet preparations. It is an Englishman's privilege to be an optimist.

We are optimists. We have helped to win the world War. We are now out to help win the commercial supremacy of British manufactured Toilet Preparations. The encouragement we have already received from the Trade has more than convinced us of the soundness of our proposition. We possess the most up-to-date and hygienic laboratory and works in the country, situated in veritable garden.

It is the keystone of our endeavour to place in the hands of our customers goods which for quality and style of packing reach a height of perfection never yet attained; thus creating for them a quick sale, together with a liberal rate of profit.

"Crème de Menthe" Tooth Paste, a Delicious Antiseptic and Cleansing Dentifrice, being one of our leading lines, is of such good value at the price asked (1/6 per tube) that it practically sells itself.

"Crème de Menthe" is a scientifically perfect preparation for the cleansing of the teeth and gums, destroying germs of decay and preserving the texture and colour of the enamel.

A free full-size sample will gladly be sent you on request, upon receipt of trade card.

OTHER "PERIVALE" PREPARATIONS.—Mouth Wash, Liquid Shampoo, Hair Cream, Vanishing Cream, Solid Brilliantine, Liquid Brilliantine, Brilliantine Spirit.

SPECIAL ADVERTISING BONUS PARCELS.

£5 PARCEL.

Doz.		Retailing at	Cost	Cost	Realising	Profit
3	" Creme de Menthe " Tooth Paste ...	1/6	11/6 doz. ...	£1/14/6	£2/14/-	19/6
1	" Perivale " Mouth Wash 8 oz. ...	3/6	24/- "	4/-	7/-	3/-
1	" Mouth Wash 4 oz. ...	2/6	18/- "	3/-	5/-	2/-
1	" Liquid Shampoo ...	2/6	18/- "	3/-	5/-	2/-
1	" Hair Cream ...	2/3	15/- "	11/3	18/-	6/9
1	" Vanishing Cream ...	2/6	18/9 "	6/3	10/-	3/9
1	Liq. Brill. Assorted 4 oz. ...	2/6	18/9 "	6/3	10/-	3/9
1	Liq. Brill. Assorted 2 oz. ...	1/6	10/9 "	10/9	18/-	7/3
1	Brill. Spirit 4 oz. ...	3/-	21/9 "	7/3	12/6	4/9
1	Brill. Spirit 2 oz. ...	1/9	12/6 "	6/3	12/6	4/3
1	Solid Brilliantine ...	1/3	10/- "	7/6	11/3	3/9
BONUS SUPPLIED WITH ABOVE PARCEL.						
1	" Creme de Menthe " Tooth Paste ...	... ...	...	...	18/-	18/-
1	" Perivale " Mouth Wash 8 oz. ...	... ...	...	...	3/6	3/6
1	Mouth Wash 4 oz. ...	... ...	...	...	2/6	2/6
1	Hair Cream ...	... ...	...	...	9/-	9/-
£5/0/0				£9/13/9	£4/13/9	

£10 SPECIAL BONUS PARCEL.—£10 Parcel Assorted "Perivale" Preparations with Bonus, shows even a better profit, realising £19 17s. 9d., thus showing you a profit of £9 17s. 9d.

£100 PRIZE, WINDOW-DRESSING COMPETITION.—In connection with the forthcoming Advertising Exhibition, when £1,000 will be offered in Prizes, we are offering an additional £100 for Displays containing either "CREME DE MENTHE" TOOTH PASTE or "PERIVALE" PREPARATIONS. Write us for particulars and entry forms.

LANGHAM BROTHERS, LTD.
MANUFACTURERS OF FINE CHEMICALS.
PERIVALE, WEST EALING, W. 13.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

		Price per dos. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP	- -	10/-	1/-
A complexion soap.			
PROLACTUM	- -	10/-	1/-
For the lips.			
PARSIDIUM JELLY	- -	10/-	1/-
For wrinkles.			
ALLACITE of ORANGE	BLOSSOM	22/6	2/6
A dressing cream.			
BORANIUM	- -	22/6	2/6
A hair tonic.			
CLEMINITE	- -	22/6	2/6
For a face lotion.			
COLLIANDUM	- -	22/6	2/6
For a face tint.			
PERGOL	- - -	22/6	2/6
A deodorant.			
STALLAX	- - -	22/6	2/6
For a shampoo.			
JETTALINE	- -	31/6	3/6
For clearing the skin.			
PHEMINOL	- -	36/-	4/-
A depilatory.			
MENNALINE	- -	36/-	4/-
For the eyelashes.			
MERCOLIZED WAX	-	31/6	3/6
A face cream.			
STYMPOL	- - -	36/-	4/-
For oily complexions and blackheads			
BARSYDE	- -	22/6	2/6
Dandruff eradicator.			
TAMMALITE	- -	22/6	2/6
For grey or faded hair.			
LIQUID PERGOL	-	31/6	3/6
To check excessive perspiration locally.			
BICROLIUM	- -	22/6	2/6
For whitening the hands.			
HARAPOSA	- -	22/6	2/6
Nut oil shampoo.			

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA :

ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA :

LENNON & CO., Ltd. (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

INDIA :

KEMP & CO., Ltd. (Bombay)
THE INTERNATIONAL TRADING CO., Princess Street (Bombay)
R. MACLURE (Madras)
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta).
JANNADAS BROS. (Bombay)

NEW ZEALAND :

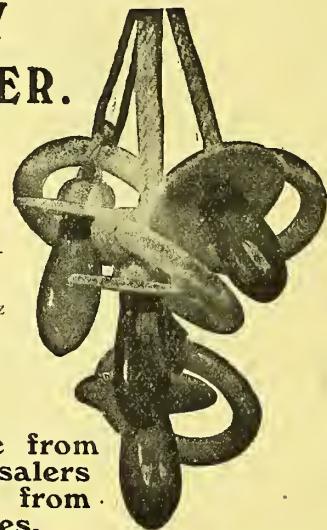
SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA :

DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

The "EVERSAFE" BABY PACIFIER.

Patented
Everywhere.



Present rates :—

No.	
2	4d. line 2/9 doz
2C	6d. 3/2 ..
2E	6d. 3/4 ..
3	7½d. 4/8 ..

Obtainable from
all Wholesalers
or direct from
Patentees.

Sample Order, Three Dozen Assorted :
Send 10/6, post free.

F. SCHUTZE & CO., LTD.,
Black Bull Works, London, N.

The Finest Toilets Powder Nilde
obtainable Volnay Perfumes
from from Etc.

Look out for
Stock Rooms

Northern Agents of
BEAZ Ltd.

BEES BUILDINGS
BLACKPOOL
Regent Toilet Co. London

PRICE LISTS ON APPLICATION.

MANICURES AND ALL SUNDRIES.

Delefine & Zeba Toilets & Perfumes

Try the Vanishing Cream

Shaving Creams

Perfumes

Brilliantines

Bath Crystals

Hair Tonics

Toothpaste

Hair Creams

Massage Creams

Etc., etc.

THESE FIGURES SPEAK!

Outlay - - -	£2 4 0
Returns - - -	5 5 0
Profit	£3 1 0

NORA Complexion Powder

Poudre de Riz

Let us help you to secure the good business in fine Toilet and Complexion Powders.

We make you the following offer :—

On a half-gross parcel of "Nora" Complexion Powder, at 9/- dozen, to retail at 1/3 per box, we will pay for

WINDOW DISPLAY SPACE

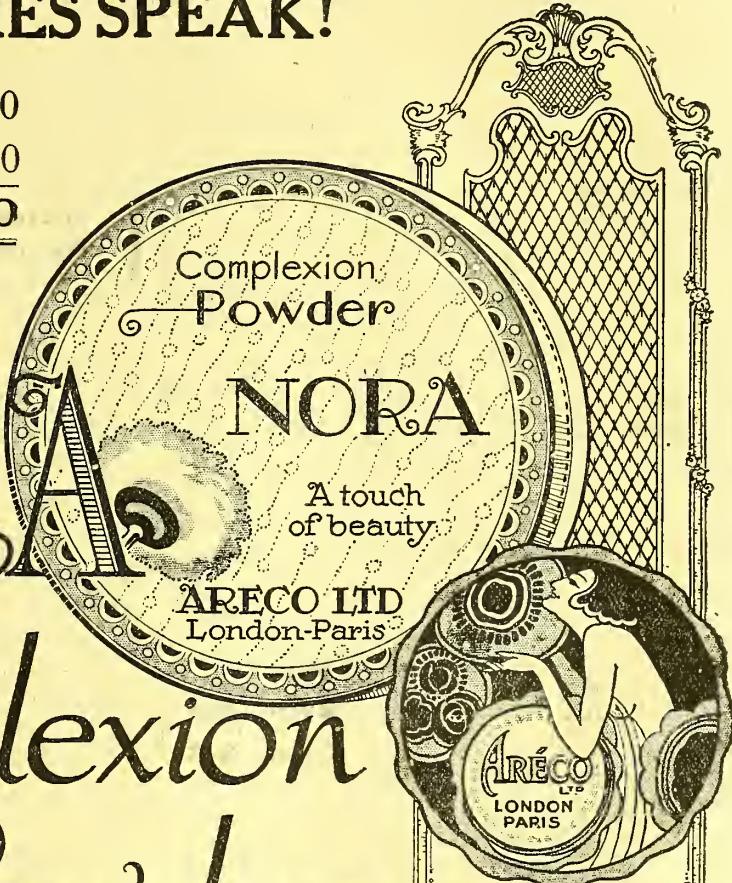
for a period of one month, 10/-, and supply a sales promotion bonus of 2 doz. to the gross. 5 gross is the maximum order executed on these terms.

We will also send you attractive selling showcards that compel business.

Areco Ltd

London
11, Southampton Row, W.C.

Paris
Rue Tailbaut



One of the Areco Series

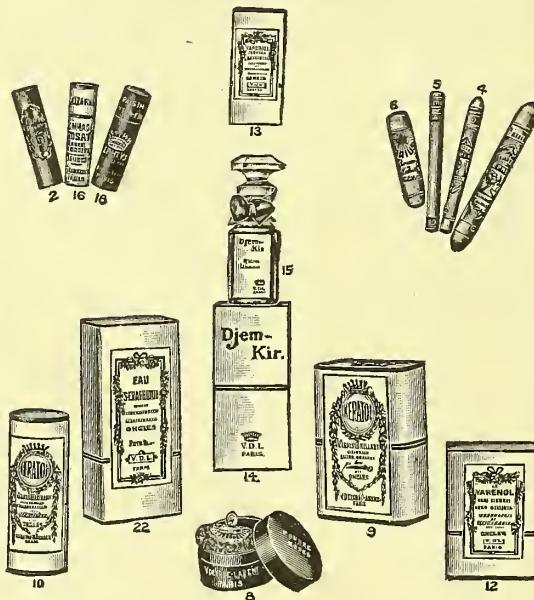
"NORA" Complexion Powder is a fine, adherent, soft, dense powder of great purity and fragrance, and the colours are fully representative. The assortment (six in number) is as follows :—

WHITE. PINK.
SUNBURN.
ROSE. CREAM.
FLESH.

Desrue-Larene Toilet Requisites

are stocked by most Chemists in preference to any other, as they show a quick sale and larger profits. If you have not yet tried them, do so, you will not regret it.

Try a Sample Order



DESRUE-LARENE
PARIS :: :: ::

	Doz.
No. 1. CRAYONS JAVANAIS, 1 doz. on card (polishing sticks for the nails)	3/6
No. 2. CRAYONS JAVANAIS, 1 doz. in box	3/-
CRAYONS NEPHTYS (eyebrow pencils) (Black, Brown, Chatain, Blue) :	
No. 3. Large Size	8/-
No. 4. Medium Size	6/-
No. 5. Small Size	4/-
No. 6. RAISIN SIRIUS À LA VIOLETTE, lip salves, metal cases, 3 colours	10/6
No. 7. COMPACT POWDERS (Pink, Ocre, Naturelle, Violet) ...	9/6
No. 8. POUDRE DES ROSES COMPACT (Light & Dark Reds) ...	9/6
No. 9. KERATOL (enamel for the nails) (enamel and dissolvant...)	22/6
No. 10. KERATOL (enamel only) ...	18/-
No. 12. VARENOL (enamel for the nails) (enamel and dissolvant)	14/-
No. 13. VARENOL (enamel only) ...	9/-
No. 14. DJEM-KIR, large size (liquid red for the lips) ...	23/6
No. 15. DJEM-KIR, small size (liquid red for the lips) ...	16/-
No. 16. POMADE ROSAT (Pink and White) ...	3/6
No. 18. RAISIN NEPHTYS, lip salves. (Red and Scarlet) ...	3/6

Sole Agents— J. NASSAN & CO.
129 Wool Exchange, Basinghall Street, LONDON, E.C. 2.

Telephone : Central 8799.



By Appointment to H.M. King George V.

ORDER A SUPPLY OF

"RIVERA"

VICTORY BOUQUET

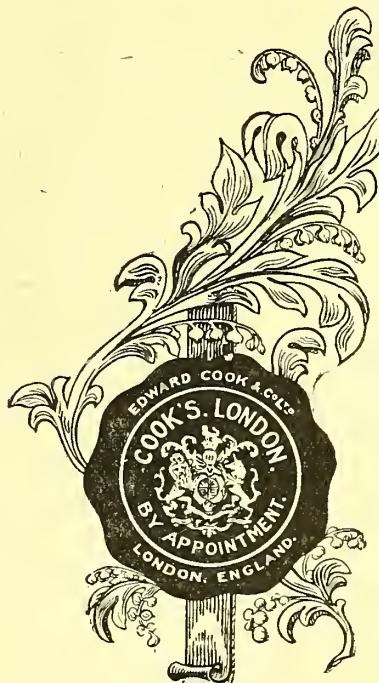


Wholesale price, 60/- per gross tabs.
(Subject to usual terms) (Twelve-tablet Boxes)

THE SOAP THAT SELLS

BECAUSE IT IS A
LUXURY WITHIN
EVERYONE'S REACH

RETAIL
PRICE
7d.
PER
TABLET



EDWARD COOK & CO., LTD., LONDON, E.3.

Increase Your
Profits with

“PERMOL”

The Lemon-Flavoured
DENTAL CRÈME

A scientific product of individual merit with a popularity based on the recommendations of Doctors and Dentists.

IN DAINTY CARTONS OF 1-DOZ.
FOR COUNTER SHOW.

On the P.A.T.A.

Send for Lists and Terms to
PERMOL PRODUCTS CO., LTD.,
73 HIGH STREET, LEWISHAM, S.E.13,
and at PARIS, BRUSSELS and ST. LOUIS.

Dressing
Pocket
Dust

COMBS

Horn or Galalith

Ebony hand
Nickel Shaving

MIRRORS

Ebony
Rosewood
Baby
Shaving
(Anthraz free)
Iodine
Throat
Corn Solvent

Hair

BRUSHES

Ebony
Ivory
Bone

MANICURE

CASES and Requisites.

WHOLESALE AND EXPORT ONLY SUPPLIED

A. E. DEPRETER,
24 HOLBORN, LONDON, E.C.1.

Tele phone: Holborn 3182.
grams: "Aede;relon, Smith, London."

ARE YOU STOCKING



3 Good Sellers

“Pyrea” Astringent Lotion ... 5/-
“Pyrea” Tooth Cream (Large) ... 1/6
“Pyrea” „ Powder ... 1/6

DISTRICT AGENCIES BEING APPOINTED.

GENEROUS TERMS.

“PYREA” Co., 31 Gt. St. Andrew St.
LONDON, W.C. 2.

Telephone: 4087 Gerrard.

IMPORTANT NOTICE.

The Retail Price of Enolin Tooth Paste & Powder now is

PASTE - 1/6 & 10d. per tube.

POWDER 1/3 & 7½d. per tin.

YOUR PROFIT INCREASED

Special Cash Allowance for Window Displays.

Write for new terms and particulars of this largely advertised proprietary to "Sales" Department.

A. & E. CARRERAS, Ltd., 207 King St., Hammersmith, W.6

Sole Export Agents :

PATTINSON & MACKIE, Ltd., Albion House, 59 New Oxford St., London, W.C.1

The Perfect Paste with the Pleasant Flavour.

Dental Paste

A Perfect Dentifrice.
Pleasant to the taste.
Profitable to the Retailer.

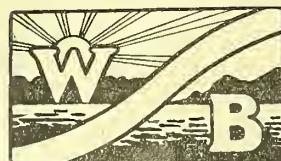
Retail Price, 7½d. and 1/3.

Window display terms on application.

ANGLODOL, LTD., BERKHAMSTED.

Telephone: BERKHAMSTED 138.

Cables and Telegrams: "ANGLODOL BERKHAMSTED."



WHITE BAND CO'S

SNOWLEEN

THE FINEST LINE A CHEMIST CAN HANDLE

**GIVES YOU
A PROFIT OF
OVER 7½^D PER POT**

**WRITE FOR SAMPLES &
PARTICULARS OF OUR
NEW BONUS TERMS**

**WHITE BAND MFG. CO. LTD.
CROYDON.**



Embe
BRAND

LYSOLID

(The Solid Lysol)

Prov. PATENT No. 16799.

Is absolutely new. It is worth investigating by everyone who makes regular use of this splendid disinfectant.

Extract from Original Letter received from
Dr. SAMUEL RIDEAL, D.Sc.(Lond.), F.I.C.

"In reply to your query, from time to time I have examined several batches of the original 'LYSOL' as placed on the English market previous to 1916 and I find that the disinfectant power, as shown by the co-efficient value, of your present 'LYSOLID'

IS EQUAL TO THE FORMER LIQUID LYSOL."

Signed: Samuel Radcliff

Thousands of eager customers will ask for Lysolid—thousands that have been wishing for this preparation.

Are you ready to supply it? Every reader should be acquainted with Lysolid—its value—its safety and its margin of profit.

Write to-day for Samples, postage free and particulars of how it increases a bigger net profit on every sale.

PATTINSON & MACKIE, LTD.

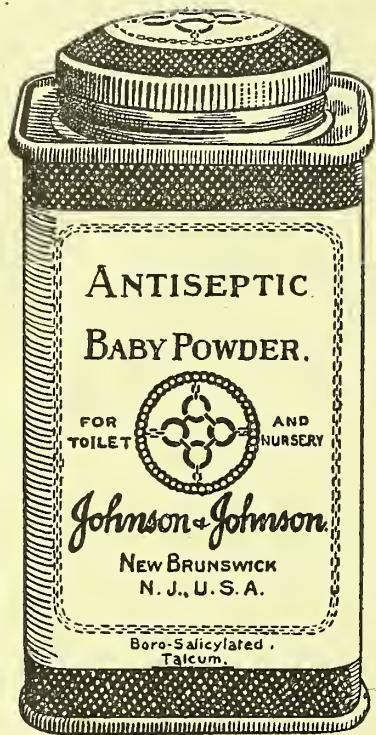
**Albion House,
59 New Oxford
Street - W.C.1**



The New

*Manufacturers,
M.B. Laboratories, Ltd.,
Southampton.*

**SOLD THE
WORLD OVER.**



Antiseptic TOILET & BABY POWDER

JOHNSON & JOHNSON
British - Manufacture.

Made from the Best Talcums and Delicately Perfumed.

Bonus given for order of 2 gross and window display.

For particulars apply to—

JOHN TIMPSON & Co., Ltd.
104 Golden Lane - - E.C. 1.

**SALES
ALWAYS INCREASING.**

INDIAN PERFUME BRICK

KEEPS AWAY MOTH,
LASTING & FRAGRANT.



FOR LINEN CUPBOARD AND WARDROBE.
On the P.A.T.A. Retail Price 6d.

WANDA TOILET PUMMICE.
WANDA NAIL POLISH.
WANDA ONE-DROP PERFUME.

Of the Makers:
WILLIS, LOW & DRUIFF, LTD.,
33 Percy St., London, W.1.
AND ALL WHOLESALERS.

To Satisfy your Customers
Is to Increase your Business

LINARIS TOILET PREPARATIONS

LINARIS Vanishing Cream
LINARIS Bath Powder
LINARIS Henna Shampoo Powder
LINARIS Camomile Shampoo Powder
LINARIS Massage Cream
LINARIS Tonic Cream
LINARIS Beauty Cream
LINARIS Face Powders

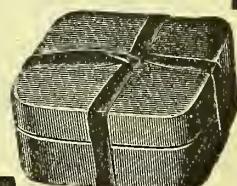
- (1) Give absolute satisfaction—Guaranteed
- (2) Are prepared from the finest Drugs obtainable.
- (3) Show splendid profits to the Retailer.
- (4) Invariably bring repeat orders.
- (5) Are beautifully packed in Opal-topped Jars and large golden boxes tied with purple ribbon. Make a splendid counter show.

Profit of over **33½%**

Send direct to
LINARIS TOILET PREPARATIONS (Dept. X)
31 Westbourne Grove, London, W.2



Carriage paid
on all
orders over £5.



PAPIER POUDRÉ

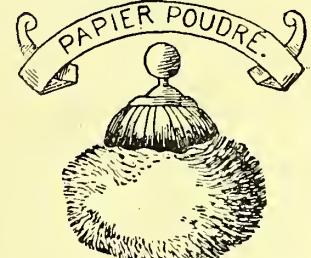
TRADE

MARKS

REGISTERED



**British Made
Goods.**



*Beware of
Spurious Imitations*



Papier Poudré

**Note our Trade
Marks.**

PAPIER POUDRÉ, LTD.
20 Baker St., Portman Sq., London, W.I.
and in Paris.

**WHITE, ROSE or RACHEL Tints, 4d., 6d., 8d. and 1/4 size Booklets,
2/8, 3/9, 5/- and 10/- per dozen net, respectively.**

SUNBURN TINT, 8d. & 1/4 sizes only, 5/- & 10/- per doz. net.

REFILLS to Mirror Cases in White, Rose or Rachel	... ... ...	2/8 per doz. net.
8d. SHAVING PADS, for Use after Shaving (unscented). White only	... ...	5/- per doz. net.

POPPCEA ROUGE

A most popular line.

(Regd.)

Made in booklet form. One size only, viz. 1/-, at 8/- per dozen net.
Mirror Cases 1/4 at 10/- per doz. Refills for same 6d., at 3/9 per doz. net.

NOTICE TO THE TRADE.—As supplies of material have now reached a state of normal condition we are in the position of being able to execute all orders.

**PAPIER POUDRÉ, Ltd., 20 BAKER STREET,
PORTMAN SQ., LONDON, W.1**

BOURJOIS

PARIS.

POUDRE de RIZ de JAVA

No. 45. 2/- Size.

1 doz. ...	16/-	doz.
6 " ...	15/9	"
12 " ...	15/6	"

No. 495. 1/3 Size.

1 doz. ...	11/-	doz.
6 " ...	10/9	"
12 " ...	10/6	"

The P.A.T.A. prices for "Poudre de Riz de Java" are 2/- and 1/3 per box.

"JAVA" Powder is now being largely advertised to the public.

LOOK TO YOUR STOCKS.

A. BOURJOIS & Cie, Ltd., 66 Carter Lane, LONDON, E.C. 4.

Also manufacturers of the celebrated "ASHES OF ROSES," 15/- per dozen.

G. B. KENT & SONS, LTD.

Are known the World over as
the Largest Manufacturers of

**BEST
BRITISH
RUSHES**

Please write for full Particulars to—

75 Farringdon Road, E.C. 1.



ZENITH
SAFETY
RAZORS

**WRITE FOR
TERMS.**

Made in seven
styles on scientific
lines.
Perfect curved top
Silver Plated.
High-class Finish.

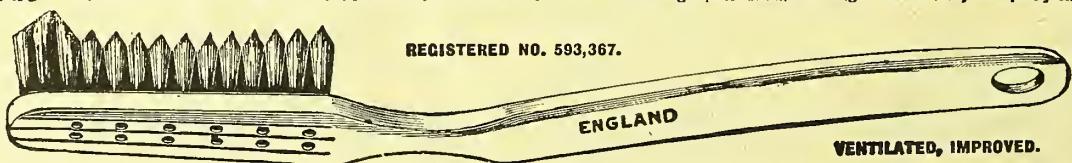
**J. MIRFIN
& SON, Ltd.**
32 Arundel Street,
SHEFFIELD.

ROBERT ADDIS & SON, — Tooth Brush Manufacturers, —
London Brush Works, London Fields, N.E.

The "ASEPTIC" or "PROPHYLACTIC."

When not in use, a Tooth Brush should not be allowed to remain
wet, or it becomes offensive. The advantage of this Brush is—it
can be hung up to drain, allowing the air to dry and purify it.

REGISTERED NO. 593,367.



VENTILATED, IMPROVED.

To be obtained from Wholesale Houses. Packed in cartons, facilitates sales
and ensures brush reaching user in clean and antiseptic condition.

The original
and genuine

ODOL

Dentifrice.

Sole Agents in the United Kingdom,
SECKER, ROBB & CO.,

Cromwell House,
Surrey Street,
LONDON, W.C. 2.

Telephone: Central 2420.

Good Stocks of GLASS BOTTLES

ARE NOW HELD BY

THE AMALGAMATED GLASS BOTTLE WORKS, LTD.

(YOULDON WORKS, *Established 1840*).

TREBY STREET, MILE END, LONDON, E. 3.

Telegraphic Address: "Youldon, Bowbur, London."

Telephone: East 132.

Ingram's MILKWEED CREAM

Has been CONSISTENTLY ADVERTISED in the best AMERICAN and CANADIAN PERIODICALS for twenty-five years.

A Medicinal Toilet Cream with a world-wide demand that is rapidly increasing. Two sizes

Prepaid Parcel Post to Great Britain and her Asiatic and African Colonies. Samples and store displays free with every order.

Ingram's Milkweed Cream

- " Velveola Souveraine (Face Powder)
- " Zodenta Paste for the Teeth
- " Rouge, Light, Medium, Dark
- " Perfume, 1 oz. assorted in fancy packages

100 Guest-Room Packages free.

Shipped via Parcel Post Prepaid.

Send us with your order the names of 100 of your lady customers, and we will mail each of them a handsome folder, inviting them to call at your store and get our Guest Room Package free, containing one each of the above in sample sizes, including Perfume.

If more convenient to you, specify shipments from our Canadian Plant.

FREDERICK F. INGRAM COMPANY (*Established 1885*).

411 Lafayette Boulevard, Detroit, U.S.A. Canadian Plant: Windsor, Ont.



Twenty-five years' continuous advertising has made this trade mark known wherever American and Canadian publications are read.

May we

send you, free of charge, a bottle of any one of our new series of Toilet Preparations ?

An illustration would not do justice to the attractiveness and finish of these preparations, and anything we said about them would not be half so convincing as an ocular demonstration. Just write on a postcard : "Your offer 'C. & D.' Oct. 16, accepted," and by return we will send you a bottle of any one of the series, together with full particulars.

The series consists of Bay Rum, Toilet Paraffin, Brilliantine, Bay Rum and Cantharides, Hair Cream and Eau de Quinine. Uniformly labelled and finished, packed in half-dozen show outers.

RAYMET & CO. LTD.
507/509 Harrow Road, London, W. 10.

C. DAMSCHINSKY'S

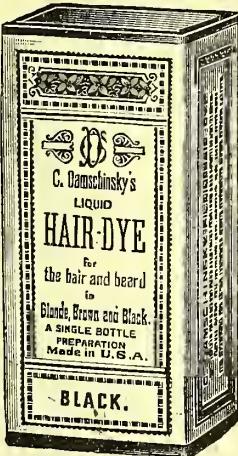
AMERICAN LIQUID DYE.

*Single Preparation for
the Hair and Beard.*

MADE IN
FIVE NATURAL SHADES,
BLONDE, LIGHT BROWN,
BROWN, DARK BROWN,
AND BLACK.

2/- Size 15/- per doz. net.

3/- " 22/- "



*This excellent Dye has
an enormous Sale all
over the World.*

SIMPLE TO USE.

WILL DYE
RED, GREY OR FADED HAIR
TO THE DESIRED SHADE
IN A FEW MINUTES.

IT IS NOT A BLEACH.
WILL NOT DYE DARK HAIR
LIGHTER.

From all Wholesale Houses or direct from sole British Agents :

OSBORNE, GARRETT & CO., LIMITED,
LONDON, BIRMINGHAM AND GLASGOW.

THE Ogee "OGEE" FETTPOWDER.

THE PREMIER POWDER FOR THEATRICAL USE.

The "Ogee" Fettpowder

In White, Rose, Natural and Rachel.

PRICE 12/6 PER DOZEN.

PROPRIETORS OF
THE CELEBRATED "OGEE" BRAND OF GREASE PAINTS,
AND THEATRICAL PERFUMERY.

OSBORNE, GARRETT & CO., LIMITED,
BIRMINGHAM. LONDON, W. GLASGOW.



The
**HENNA
CULT**
of Hair Beauty, based
on the famous
EVAN - WILLIAMS

ORIGINAL

HENNA SHAMPOO
daily extends its boundaries, and is now a subject for popular journalism.

It pays to sell this famous line.

You will find full details of terms and prices in the current issue of "THE SHAMPOO SALESMAN," a copy of which is gladly sent on request.

Be sure to order



Wholesale only :
THE EVAN-WILLIAMS CO., LTD.
18 Ogle Street - LONDON, W. 1.

"Jackel's Cream"

(without Grease)
for THE HAIR

Sold everywhere

Established 1883.



CRYSTALLISED
1/9 CREAM 2/6
Trade Mark attached to each
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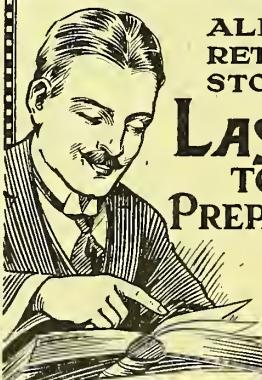
Prices for Wholesale and Export
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Jackel et Cie (of Paris)
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Sauchiehall Street
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The Two Great Reasons Why

ALL KEEN
RETAILERS
STOCK

**LASÈGUE
TOILET
PREPARATIONS**



(1) THE RETAILER'S PROFIT.



(2) THE CUSTOMER'S DELIGHT.

DO YOU STOCK LASÈGUES?

Duvet de Roses,
Lait de Beauté,
Poudres Compactes,

Pastes and Powder for the Nails

Send for Price List, or, better still, your order
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THE AUTABLE CO., Ltd.
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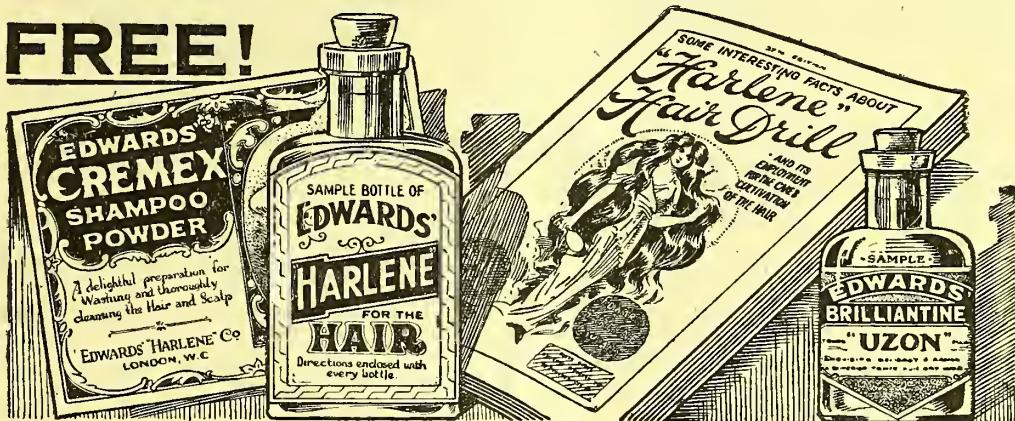
INCREASING POPULARITY OF “HARLENE HAIR DRILL.”

EVERY DAY EMPHASISES THE NECESSITY
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The widespread publicity initiated by the Proprietors of “Harlene” over a number of years and vigorously maintained right up to the present time, in spite of many difficulties and increasing expense, continue to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF “HARLENE HAIR DRILL” PREPARATIONS?

FREE!



NOTE.—The Contents of the Free HARLENE GIFT SETS comprise

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2. A “Cremex” Shampoo Powder.	4. Book of Instructions.

SPECIAL DUMMIES (Facsimile of Package) for WINDOW SHOW, size 14" x 6" sent on request with goods.

FOLLOW THE TIDE OF SUCCESS.

Watch the great Free Gift Advertising Campaign that brings the Customers to your Shop.

No Chemist or Store can afford to be without this unique line of Toilet Preparations.

“HARLENE” FOR THE HAIR
“UZON” BRILLIANTINE
“CREMEX” SHAMPOO
POWDERS
“ASTOL” FOR GREY HAIR

“ASTINE” VANISHING CREAM
“ASTINE” TOOTH CREAM
“ASTINE” SHAVING STICK
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For Particulars, Terms, &c., write to

EDWARDS’ HARLENE, Ltd., 20, 22, 24 and 26 LAMB’S CONDUIT STREET : : LONDON, W.C. 1.

THE
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 SHAVING BRUSH

*See the
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SELLING PRICES

4/6 to 15/-

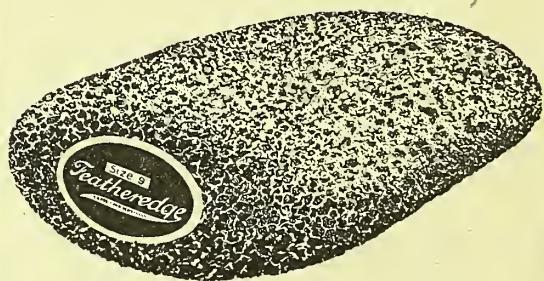
To be obtained from all
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IT PAYS YOU **33 $\frac{1}{3}$ %**

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Featheredge
TRADE MARK

RUBBER SPONGES



Are durable and do not harden.
 When used with soap, they make
 a delightful lather.

Obtainable of all Wholesale
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MARKT & CO., LONDON, LTD.

American Merchants

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98 - 100 CLERKENWELL ROAD,
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WE SPECIALIZE IN
SAFETY RAZORS
 BLADES. STROPPERS.

Each pattern of
Every Standard Make

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List on Application.

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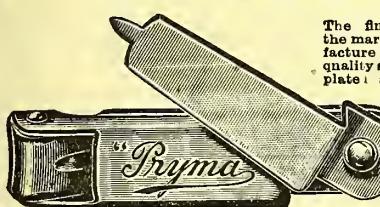
A GOOD SELLING PROPOSITION :

50 % ON COST - 33 $\frac{1}{3}$ % ON SALES

BY SELLING

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(BRITISH MANUFACTURE)



The finest Nail Clipper on the market. British manufactured throughout of finest quality steel. Heavily nickel plated and perfect finish. Delivery from stock, fastened 12 or 24 on card. Sells at sight, and gives satisfaction to Chemist and customer alike.

Trade Price **16/- doz.**

Write to-day for Sample Card.

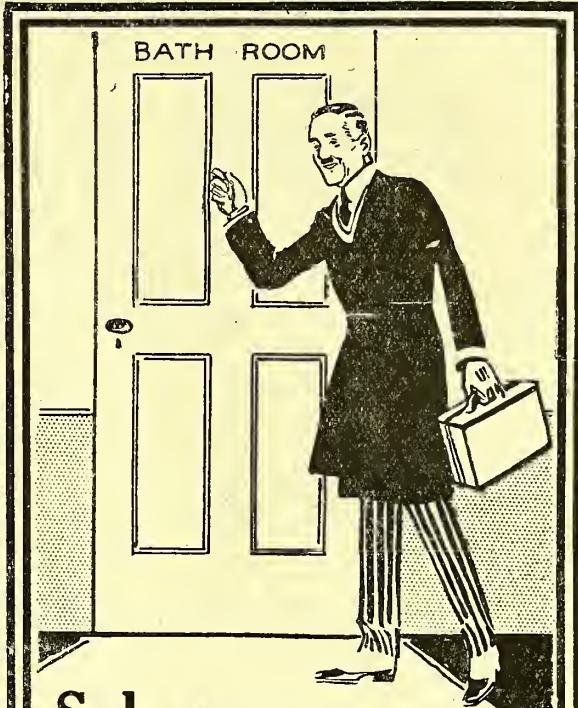
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WARMINGTON, TURNER & CO.

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Telegrams : "Oewarmitur, Cannon, London."

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**Salesmen
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IN thousands of bathrooms the comfort and pleasure of using a Sorbo Sponge is daily making Sorbo Sponge owners more enthusiastic. They praise Sorbo Sponges to their friends; tell them how clean and velvet-soft they are; how they never get slimy and how delightful they are to use with soap.

Sorbo Sponges are coming to be regarded as the sponges for every purpose. Every single customer who comes into your shop is a prospective customer for a Sorbo Sponge. If they use sponges they need Sorbo Sponges. Increase your turnover and increase your profits.

Get in a good stock of assorted sizes and display them on your counter.
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 THE MOST ABSORBENT RUBBER SPONGE

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Profitable Winter Specialities

Below are given a few outstanding items of interest to-day. They are worthy of renewed attention because:—(1) They have been proved to be reliable; (2) they show a satisfactory protected profit; (3) they are endorsed by the medical profession; and (4) they are made in England.

	Minimum Retail Prices		
Cod Liver Oil	5 oz.	1/8	
Emulsion, P., D. & Co.	8 oz.	2/6	The medical profession is giving renewed attention to cod-liver oil as a source of the indispensable food factor, vitamine fat-soluble A.
	16 oz.	4/6	
Mentholated Bronchial Lozenges	Tin o.	36	Pharmacists who have given prominence to these tablets find that one sale, by repeats and personal recommendation, makes many.
		1/3	
Oral Antiseptic Tablets	36	1/3	A pleasant combination of formaldehyde and menthol with a suitable base. The convenience of the vest-pocket vial (36) is very generally appreciated.
	100	2/-	
Stimulating Embrocation	•4 oz.	1/9	An emulsion of oil of origanum, camphor and rectified oil of turpentine, with ammonia, issued in glass-stoppered bottles of distinctive shape.
Capsolin	1/9		A convenient external counter-irritant in collapsible tube. May be advantageously used in place of a mustard plaster. Free from unpleasant odour.
Inhalone	1/3		An anti-bacterial, soothing and emollient nasal application. Issued in a collapsible tube with an elongated nozzle to facilitate direct application.

Other important preparations are Euthymol Tooth Paste, Euthymol Cold Cream, Euthymol Cream, Euthymol Talcum Powder, Boroseptic Ointment, etc.

*A card will bring you a list with
retail and wholesale prices of
specialities corrected to date.*

Telephone—
Regent 3260 (6 lines).

Telegrams—
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**PARKE, DAVIS & CO.,
LONDON, W.1.**

"CUTEX" NAIL PREPARATIONS



No. 16 COMPACT SET.
27/- dozen.
P.A.T.A.
3/- each.

ALL the "Cutex" Manicure Sets, excepting the De Luxe Set, are supplied with attractive Christmas wrappers free of charge. After Christmas, if any are left over, the wrappers can be removed and the sets displayed in their original form.

"Cutex" Manicure Sets enjoy an unusually heavy sale with the approach of the Christmas season. Last year the demand far exceeded the supply. This year, due to special advertising, it will be still heavier. We respectfully urge customers to place their orders well in advance to avoid disappointment.



How
CUTEX
improves
your nails



No. 1 REMOVER.
18/- dozen.
P.A.T.A.
2/- each.

No.		Retail.	Doz.
1	"Cutex," The Ideal Cuticle Remover (Small)	2/-	18/-
2	"Cutex," The Ideal Cuticle Remover (Medium)	4/-	36/-
4	"Cutex" Nail White ...	2/-	18/-
5	"Cutex" Nail Polish Cake (White)	2/-	18/-
6	"Cutex" Nail Polish Cake (Pink)	2/-	18/-
7	"Cutex" Nail Polish Cake (Trial Size)	7½d.	5/6
8	"Cutex" Nail Polish Powder	1/6	13/6
9	"Cutex" Nail Polishing Paste (Pink)	2/-	18/-
10	"Cutex" Nail Polishing Paste (Plain)	2/-	18/-
11	"Cutex" Liquid Nail Enamel	2/6	22/6
13	"Cutex" Cuticle Comfort	2/-	18/-
14	"Cutex" Nail Bleach (Powder)	2/-	18/-
15	"Cutex" Rouge	2/-	18/-
16	"Cutex" Compact Manicure Set	3/-	27/-
17	"Cutex" Travelling Manicure Set	9/6	84/-
18	"Cutex" Boudoir Manicure Set	19/-	168/-
22	"Cutex" Nail Polish Stick	1/6	13/6
31	"Cutex" Cold Cream	2/-	18/-

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Sutcliffe Bottle Dryer

ILLUSTRATION of a Combination Bottle Dryer specially designed for Manufacturing Chemists. Six to ten gross can be dried in the cupboard per hour, and at the same time large bottles can be dried on the tubes at the rate of two thousand a day of ten hours.

We have supplied scores of these machines, and can give references in every district in Great Britain. Among the best-known users are: Messrs. Allen & Hanburys Ltd.; Bleasdale Ltd.; Boots Ltd.; W. J. Bush & Co., Ltd.; W. B. Cartwright Ltd.; British Drug Houses Ltd.; Duncan, Flockhart & Co.; R. Gibson & Sons, Ltd.; Hirst, Brook & Hirst Ltd.; Johnson & Sons; Lofthouse & Saltmer Ltd.; Meggeson & Co., Ltd.; Yardley & Co., Ltd.; etc.

We also make special Plant for Drying Confectionery & Chemicals.

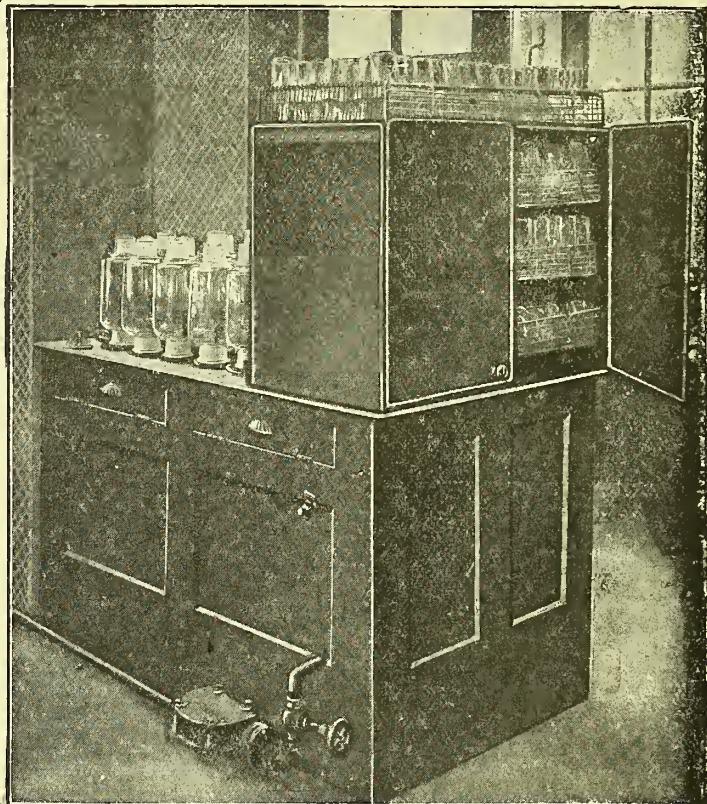
Illustrated Catalogue Sent on Request.

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Cathedral Gates, Manchester.

Telephone No.:
3920 City

Telegraphic Address:
"Ventilabro."



ROBERTS' ORIGINAL PATENT BOTTLE-FILLING MACHINES

Don't waste money
on imitations, buy
Roberts'
Machines

which actually
Created the
Records
for
CLEANLINESS
SIMPLICITY
and Rapidity in
Bottle Filling.

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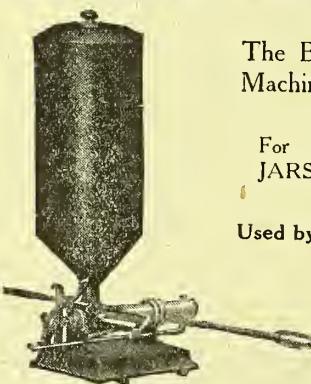
"Nelson."
**ROBERTS' PATENT
FILLING MACHINE CO.,**
33 ROUND CROFT ST., BOLTON.

OUR LATEST PATENT "ALPHA," PRICE £1 13, WILL
FILL 10 GROSS BOTTLES PER HOUR.

Write for Particulars.

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INCREASE YOUR OUTPUT
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BY USING THE
"CENTRAC"
FILLING MACHINES



The Best and Cheapest
Machines on the Market.

For TUBES, POTS,
JARS and BOTTLES

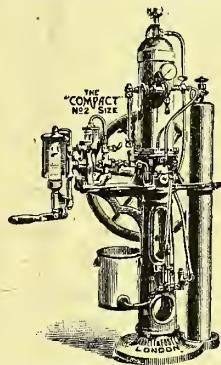
Used by all Leading Firms.

*Send us your
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Tubes, Jars, Pots, Filling Machine
Sole Makers—
The Banister Street Works, Ltd.
ENGINEERS.
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Everything for Bottling.

"COMPACT"
Soda-Water Machines.



For use with liquefied carbonic acid gas. A complete mineral-water plant, comprising a soda-water machine and one or two fillers, on one base. Easy to instal and simple to operate. Outputs up to 1,200 doz. bottles per day.

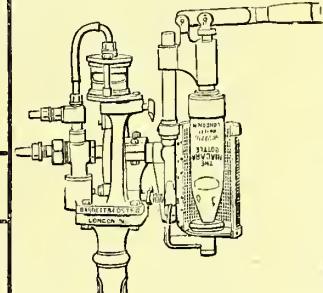
All Machinery and Appliances for the production of Soda Water and Aerated Beverages.

THE
"RED CLUB"
BRAND

Soluble Essences and all Ingredients for Aerated Beverages, &c.

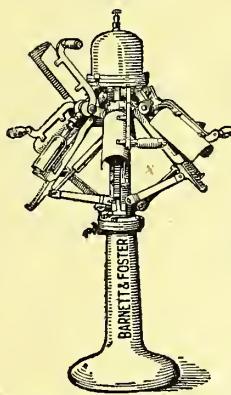
Ice Making and Refrigerating Machinery.

"IDEAL"
TURNOVER FILLERS.



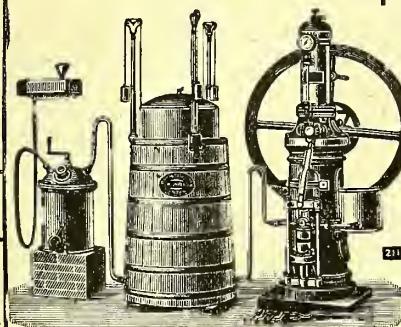
For Codd's, Niagara or other internally stoppered bottles. With this machine a lad can syrup and fill 80 doz. large bottles per hour. It can be supplied fitted with a Back-Pressure attachment, which reduces the consumption of gas by half.

"ROUNDABOUT"
FILLERS.



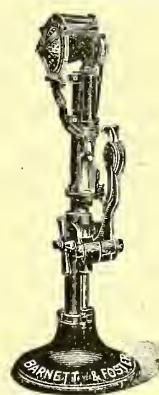
For all externally stoppered bottles. These machines fill on the Back-Pressure system and save 50% in working costs. Nine sizes: four for hand and five for power.

"NIAGARA"
SODA-WATER MACHINES.



Capacities from 100 to 6,000 doz. of 10-oz. bottles per day. Supplied complete with gas-work and automatic saturating cylinder. The best machine for export.

"NIAGARA" Hand Crowners
with Automatic Feed.



With one of these machines a boy or girl can crown up to 200 doz. per hour. Far less tiring than foot machines therefore faster. Can also be supplied without Automatic Feed.

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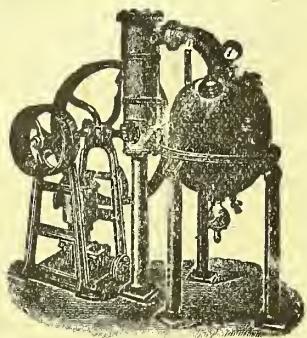
BARNETT & FOSTER

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Niagara Works, Eagle Wharf Road, London, N.1.

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Bolton, 545.



**STILLS, VACUUM STILLS, VACUUM PANS.
EVAPORATING PANS.
AUTOCLAVES AND DIGESTORS.
SPECIAL APPARATUS AND PLANT
FOR MANUFACTURING CHEMISTS.**

SOLE MAKERS of BENNETT'S PATENT 'IDEAL'
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"ATLAS" PATENT
MIXERS & SIFTERS
NEAT, SIMPLE and
STRONG DESIGN.

BALL MILLS
GRINDERS
DRYERS

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Established 1791.

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"POSTLIP" (No. 633 Mill) ENGLISH FILTER PAPERS

Manufactured in
Annually Increasing Quantities
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White and
Grey Plain,
Antique,
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Embossed.



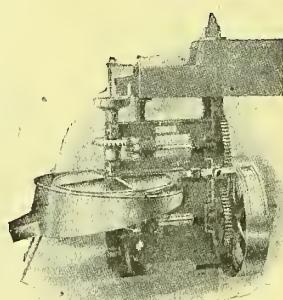
All sizes in
Squares,
Circles, and
Folded
Filters.
Rolls made
to order.

Several new Grades are now
successfully replacing the
best German makes.

See Report of TESTS made by the
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Ask your Laboratory Furnisher for samples of
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EVANS, ADLARD & CO., LTD.
POSTLIP MILLS,
WINCHCOMBE, R.S.O., GLOS., ENGLAND.



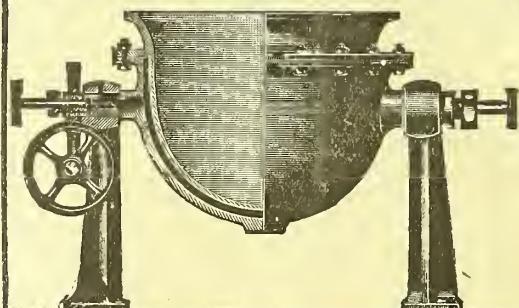
THE
GRIMSLY
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Guaranteed Output.
Early Delivery.

GRIMSLY & CO., LEICESTER, LTD. (2)
St George's Engineering Works, Queen Street - LEICESTER.

ENAMELLED IRON APPARATUS

Suitable for all Temperatures and Pressures.



DANTO ROGEAT & CIE,
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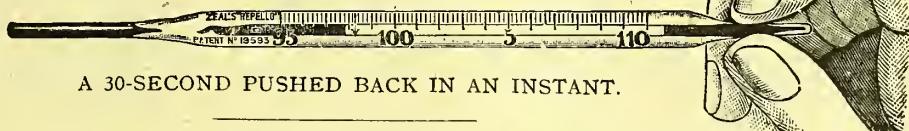
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ZEAL'S Thermometers

The "Repello" Clinical.

Requires no shaking down.



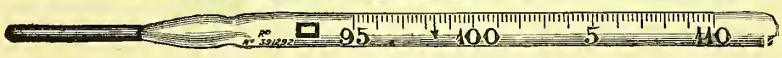
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The only Easy Reading Magnifying Clinical on the Market.

IN FOCUS.



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The square mark engraved on Lens Front locates the mercury column immediately.

SPECIAL AWARD & GOLD MEDAL, NEW ZEALAND, 1907. SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

All Clinical Thermometers are N.P.L. tested.

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Registered
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6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
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Each.

GUARANTEED THIS SEASON'S STOCK AND PERFECT. SPECIAL TERMS FOR LOTS OF 3 DOZEN AND OVER. SAMPLE ON REQUEST.

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CORRUGATED PAPER ROLLS, SHEETS, BOXES (collapsible)

Cartons, "Cut Pieces," Strong Outers, for every description of Packing.

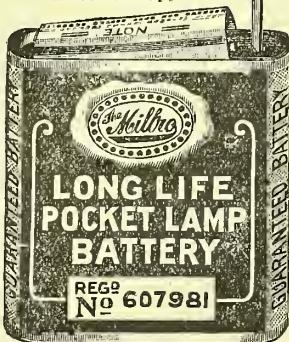
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Buy only those with a reputation for
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All Batteries bearing this Label can be absolutely relied on.

No. 3 guaranteed 3 months
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Packed in cardboard outers containing 3 dozen Batteries.

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SHOULD THIS BATTERY SHOW
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VERY IT WILL BE EXCHANGED
FREE OF CHARGE PROVIDED
IT HAS NOT BEEN IN USE AND
THE GUARANTEE LABEL IS
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SPECIALTIES.—Gums Arabic and
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SHADEINE FOR COLOURING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 10d. 1/4 size, per post 17d. 2/6 size, per post 2/9; 3/9 size, per post 4/8; 8d. size 6/- doz.; 1/4 size 12/- doz., 2/6 size 24/- doz. 3/9 size, 36/- doz.

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FILES,
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TWEEZERS & FORCEPS.—

Special quotations to large buyers.

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Importers of Face or Powdered Paper.

Stocked in Rouge, White, Pink and Natural. Cases of 50 reams. 96 sheets per ream. Rouge, 11/-, other colours 8/- per ream, ex store London.

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BEST SHAMPOO FOR KIDDIES.

Keeps little heads clean and parasite free in a nice way, does that is claimed, and yields you a top-hole P.A.T.A. profit.

LET US SEND YOU
6 doz. & 1 doz. Bonus
plenty of show cards,
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PATA COST

NON-POISONOUS

PATA
43% PROFIT

CARR. PAID. EACH DOZ

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produced in Artistic & Refined Colorings
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LIST SHOWING 100 DESIGNS FREE.

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CACHETS "FINOT"

(White or Coloured).
With Inscriptions in any desired
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"A distinction all their own."—C. & D.
Perfection of Cachets."—Lancet.

These Cachets are especially adapted for Headache, Neuralgia,
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In 17 Sizes, to fit the various types of Cachet Machines

J. W. PINDAR & CO. Druggists' PILL MACHINERY (Hand & Power).

Hand Pill Machines (for Chemists), Tablet Sugar Coaters (with Hot-Air Blowers), Pill Coaters, Counters with Shoot, Tincture Presses, Emulsifying and Mixing Machines, Percolators, Ointment Mills, Drug Mills, "Eternite" Ovens, Tab et Compressing Machines, &c. Other Machinery for Manufacturing Druggists and Chemists.

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The Dye with a Reputation for reliability.

ROYAL COURT HAIR DYE

SEVEN SHADES.
1/6 size 12/- doz. 2/6 size 18/- doz. P.A.T.A.

The only dye giving a natural gloss to the hair.

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Quin Quenna
is shown because it is the subject of a big and
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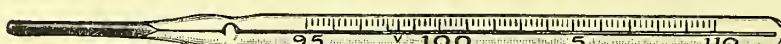
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4/- PER DOZ.
P.A.T.A.
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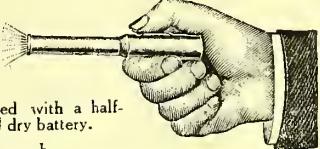


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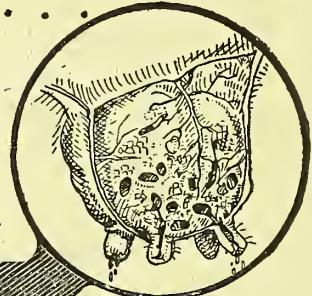
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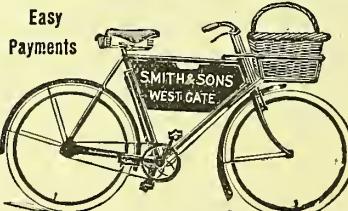
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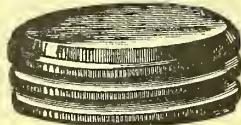
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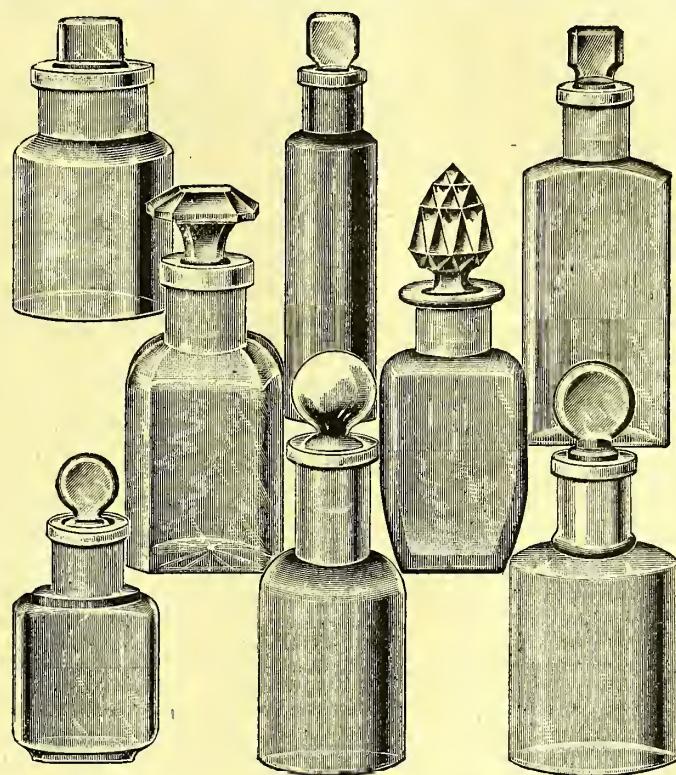
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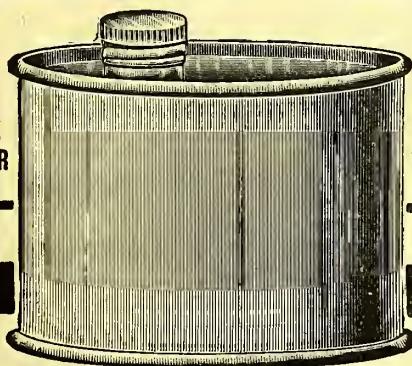
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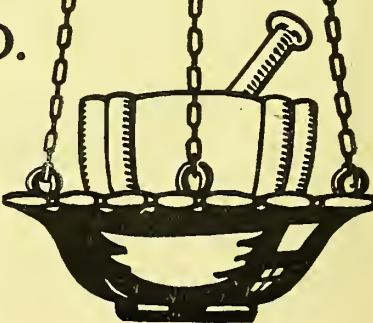
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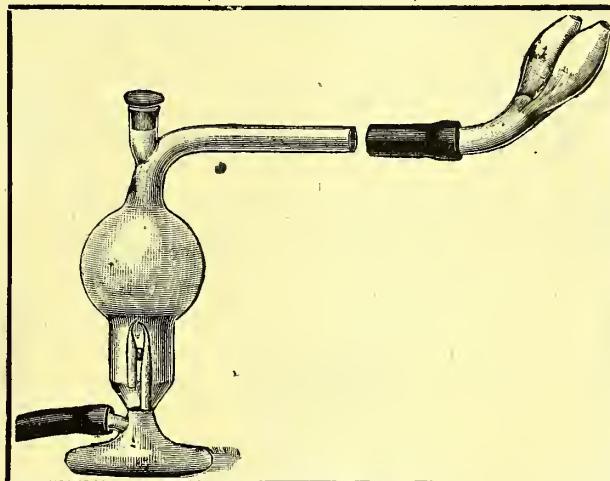
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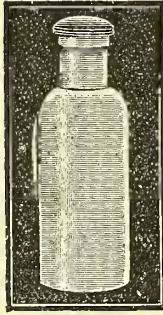
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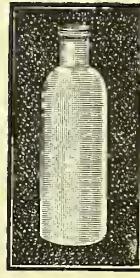
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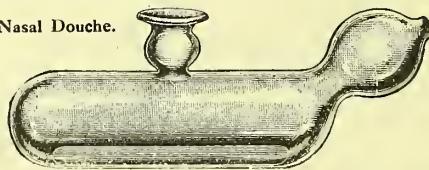
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A Weekly Journal of Pharmacy and of the
Chemical and Drug Trades

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in the Overseas Dominions.

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Coming Events.

Saturday, October 30.

The Brewers' and Allied Traders' Exhibition and Market, Royal Agricultural Hall, London, N. Daily until November 5.

Monday, November 1.

National Association of Women Pharmacists. Annual meeting at 17 Bloomsbury Square, London, W.C., at 8.30 P.M. Dr. Jane Walker will give an address on "Common Sense."

Wednesday, November 3.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting. At 3 P.M., by-law meeting.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, Liverpool, at 8 P.M. Mr. G. E. Marfitt, Leicester, on "The Art of Window-dressing."

Progressive Pharmacy Club, Arundel Hotel, Arundel Street, Strand, London, W.C., at 7 P.M. Annual meeting, followed by whist-drive at 8.15 P.M.

Thursday, November 4.

The Chemical Society, Burlington House, London, W.1, at 8 P.M. Scientific meeting. Among the papers to be read are: "Triphenylarsine and Diphenylarsenious Salts," by Messrs. W. J. Pope and E. E. Turner; and "The Influence of Lead on the Catalytic Activity of Platinum," by Mr. E. B. Maxted.

LONDON (WESTERN) PHARMACISTS' ASSOCIATION.—The annual dinner will be held at the Holborn Restaurant, London, W.C., on November 17. Reception at 6.30 P.M., dinner at 7 P.M. Tickets (10s. 6d. each) from the Committee and Hon. Secretary.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Venereal Disease Act.

By the Venereal Diseases (Cumberland, etc.) Order, 1920, which comes into force on January 1, 1921, the county and county boroughs named in the following schedule are declared to be areas to which Section 1 of the Venereal Disease Act, 1917, applies:

<i>County.</i>	<i>County Boroughs.</i>
Cumberland.	Barnsley. Merthyr Tidfil.
	Carlisle. South Shields.
	Lincoln.

The Order is published in full in "The London Gazette" of October 22.

Cost of Living.

In view of slight discrepancies in estimates of the cost of living recently published in THE CHEMIST AND DRUGGIST and elsewhere, we give the following official figures from "The Labour Gazette" for October:

Average Increases since July 1914.

Principal Articles of Food	...	...	170 per cent.
All Items Included	...	...	164 "

These statistics refer to October 1, and comprise the United Kingdom as a whole. On another page of the "Gazette" it is estimated that the average increase in urban working-class rents in Great Britain is about 39 per cent. of the gross rental of August 1914. This factor has been taken into account.

The Miners' Strike.

No settlement of the miners' strike had been announced up to the time of our going to press.

The Early Closing Association has issued a small window-bill appealing to the public to shop by daylight. Subscribers to the Association are supplied with copies free of charge on application.

A Government Bill which, it is understood, will pass through all its stages in Parliament this week, empowers the Government, in certain events mentioned, to issue a Proclamation of Emergency, to be submitted to Parliament, which, if not then sitting, is to be convoked within fourteen days. Under the Proclamation the King will be able to issue Orders in Council for any purpose "essential to the public safety." These will be valid for fourteen days only, unless Parliament decrees their continuance. The Orders mentioned in the Bill refer primarily to the distribution of food and other necessities, and penalties for their contravention are limited to a fine of 100/-, with or without imprisonment—which may involve hard labour. The Act will have the short title: "The Emergency Powers Act, 1920," and is generally believed to have been brought forward at the present juncture so as to enable the Government better to control the industrial situation.

Welsh College of Pharmacy.

The presentation of prizes awarded by the South Wales and Monmouthshire Pharmacists' Local Associations Federation to students of the Welsh College of Pharmacy took place, on October 21, at the Technical College, Cardiff. Mr. A. J. Howell, chairman of the Technical Institution, presided over a gathering of pharmacists and students, including Mr. E. T. Neathercoat (President of the Pharmaceutical Society), Mr. H. M. Lloyd (President of the South Wales Federation), and Mr. Owen Jenkins (President of the Cardiff Pharmacists' Association). The principal (Mr. Coles), in giving a résumé of the work of the past session, mentioned that twenty-one students out of a total of eighty-eight in the pharmacy section passed the whole of the Pharmaceutical Society's Qualifying examination. Many applications for training had still to be rejected through lack of accommodation. Mr. Neathercoat presented the prizes and delivered the inaugural address. He referred in his speech to the educational work done by the Society, and complimented the Welsh College of Pharmacy on the success which had attended its efforts. The silver medal of the Federation

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was won by Mr. S. B. Edwards, Barry; the bronze medal by Mr. J. Salmon, Porth; and the Cardiff Association prize for part-time students (given by Mr. Owen Jenkins) by Miss Mary E. Johnson, Cardiff. The visitors were entertained to tea by the Lord Mayor of Cardiff, and an evening meeting of pharmacists was addressed by Mr. Nethercoat.

Contracts.

The following tenders have been accepted by the bodies named :

Helston Guardians.—Mr. J. P. Trestrail, chemist and druggist, Porthleven, drugs.

Whitby Guardians.—Mason's Drug Stores, Ltd., chemists, drugs, etc.

The following Government contracts have been notified :

ADMIRALTY.—*Condensed Milk.*—Nestlé and Anglo-Swiss Condensed Milk Co.

WAR OFFICE.—*Asbestos Cement Sheetings.*—Turner Bros. Asbestos Co., Ltd. *Disinfectants.*—Burt, Boulton & Haywood, Ltd.; McDougall Bros., Ltd.; Jeyses' Sanitary Compounds Co., Ltd.; Killgerm Co., Ltd.; Newton, Chambers & Co., Ltd.; Phoenix Sanitary Co.; Quibell Bros., Ltd.; The "Sanitas" Co., Ltd.; R. Young & Co., Ltd.

POST OFFICE.—*Beeswax.*—Wilkins, Campbell & Co. *Dry Cells.*—Ever Ready Co. (Great Britain), Ltd. *Turpentine.*—Price's Patent Candle Co., Ltd.

INDIA OFFICE.—*Carbolic Acid.*—Bowdler & Bickerdike. *Cholera Outfits.*—Burroughs Wellcome & Co.; Parke, Davis & Co. *Cresol.*—Newton, Chambers & Co., Ltd. *Gentian Root.*—C. R. Harker, Stagg & Morgan, Ltd. *Thermometers.*—Bishop & Co.; A. C. Cossor & Son.

CROWN AGENTS FOR THE COLONIES.—*Calomel Cream.*—Burroughs Wellcome & Co. *Cotton Wool.*—Robinson & Sons, Ltd. *Drugs.*—Burgoyne, Burbidges & Co., Ltd. *Linseed Oil.*—Stanley Earle & Co., Ltd.; J. L. Seaton & Co., Ltd. *Sodium Arsenite.*—The Acme Chemical Co.; Ltd.

H.M. PRISON COMMISSION.—*Drugs.*—Baiss Bros. & Co., Ltd. *Soap.*—Price's Patent Candle Co., Ltd.

ORDNANCE SURVEY OFFICE.—*Absolute Alcohol.*—Burgoyne, Burbidges & Co., Ltd.

Two Views on Advertising.

In the course of a letter to the "Daily Mail" of October 23, Mr. Alec Nathan, a director of "Glaxo," explains the nature of advertising as follows : "Advertising is a sales cost, whatever form or method it takes, and as such has to be borne by the purchaser, just the same as he has to pay for any other cost that enters into the complete article."

Commenting on this *dictum* in the "Daily Mail" of October 27, Mr. S. Bernard Smith, advertising manager for A. & F. Pears, Ltd., writes : "I join issue with Mr. Nathan on these statements, and assert that nearly twenty years' varied experience in advertising has convinced me that advertising is *not* a cost at all. It is a sprat to catch a herring, and, efficiently managed, resolves itself into an actual economy. Advertising, by creating, sustaining, and increasing demand, enables a manufacturer to distribute his goods through the retailer to the public at that lower price which is the direct result of increase in production, and, in reviving the misapprehension that in buying an advertised article the purchaser is loaded with the cost of the advertising, Mr. Nathan is doing a great disservice to the most powerful auxiliary of trade."

Birmingham.

The strike has hit Black Country shopkeepers badly, but not, as yet, so severely as in 1912.

It is proposed to make a presentation to Dr. Slater Price, late head of the chemistry department of the Municipal Technical School.

Mr. Marshall Freeman, who has been appointed chairman of the Greater Birmingham employment committee (*C. & D. I.*, 1920, p. 778), is actively engaged in meeting the needs of those thrown out of work by the coal strike.

In spite of the prevailing conditions, financial and otherwise, the Royal Orthopaedic and Spinal Hospital proposes to erect new in- and out-patient departments. The site for the former, at Northfield, was given by Mr. and Mrs. George Cadbury.

Bradford.

Shopkeepers have been requested, with the concurrence of the Bradford Chamber of Trade, to close their premises an hour earlier than usual during the period of the strike.

Dr. Eddington, assistant bacteriologist to the corporation, has been appointed to take charge of the bacteriological laboratory of Sheffield University. The post left vacant by his departure is being advertised.

Liverpool.

The Liverpool Chemists' Association's dinner is fixed for January 12, 1921, at the Britannia Rooms.

A "St. Luke's summer" following frost has temporarily upset the calculations of window-dressers.

The Bootle Education Committee has increased its grant to the University of Liverpool from 250*l.* to 500*l.* a year.

"The coal strike cut off business like a knife," was the remark of a well-known traveller in Liverpool this week.

"Please send, per bearer, a black draught, age forty-seven," was the message brought by a boy to the counter of a down-town pharmacy the other day.

Mr. William P. Evans, J.P., has fixed the dinner which he is giving as chairman of the local reception committee of the British Pharmaceutical Conference for November 17, at the Exchange Station Hotel.

A cable message was received in Liverpool this week stating that the party of English chemists who have been visiting the United States and Canada are returning on board the *Metagama*, which is due in Liverpool on November 1. The travellers include Mr. George Whitfield (Scarborough), Mr. Jeffrey Poole and Mr. J. W. Atkinson (Birmingham), Mr. W. H. Lester (Nuneaton); Mr. F. D. Spencer (Stratford-on-Avon), Mr. Norman Heath (Liverpool), Mr. E. T. Rich (Swansea), Mr. C. Dean (Bury), and Mr. H. Holt (Rochdale). The cable reported "All well" after a very successful tour of about 10,000 miles in the United States and in the Dominion of Canada.

Manchester.

Boots, Ltd., have closed one of the shops they acquired some time ago from Mr. R. H. Tootill, Ph.C., Hale and Altringham.

Early next year the Manchester Pharmaceutical Association is to change its quarters to larger and more commodious premises in Deansgate.

The Manchester Municipal College of Technology has reorganised the classes in applied optics, so as better to meet the requirements of the British Optical Association's examinations.

The President of the Salford Chemists' Association, Mr. Harry Stout, is extending a cordial invitation to all the members of the Manchester Pharmaceutical Association to attend a forthcoming lecture by Dr. White. This reciprocity will be adopted by the Manchester Pharmaceutical Association in the near future.

Sheffield.

Mr. S. Paddon, chemist and druggist, has purchased his premises at 657 Attercliffe Road.

Mr. J. H. Suttle, chemist and druggist, has resigned his position with Boots, Ltd., High Street.

Rumours are current that panel patients are being treated by their doctors as private patients. The Pharmaceutical Committee can do nothing in the matter, of course, without proof.

At a recent meeting of the local branch of the National Association of Medical Herbalists, Mr. H. R. G. Skelton exhibited a number of old books, including Parkinson's herbal (1640), Cole's "Adam in Eden" (1657), and Salmon's herbal (1710).

Miscellaneous.

BURGLARY.—The premises of Mr. A. M. Jones, chemist and druggist, Penrhynceiber, were broken into on October 20. The intruders rifled the drawers.

MANUFACTURE OF WHITE LEAD.—The Home Secretary announces, in "The London Gazette," his certification of white compounds of lead (including carbonate, sulphate, nitrate, and acetate) as dangerous, and his intention of making Regulations to apply to all factories and workshops or parts thereof, other than laboratories, in which the manufacture of these compounds is carried on. Copies of the draft Regulations may be obtained, and objections lodged (within 30 days after October 22), at the Home Office, London, S.W. 1.

FATAL ACCIDENT WITH NITROUS OXIDE.—At an inquest held at Finchley, London, N., on October 23, on the body of Mr. K. C. Pitman, L.D.S., Church Crescent, a medical witness stated that on October 21 he went to Mr. Pitman's surgery in order to administer gas to a patient. There was no reply when he knocked at the door, and, entering the surgery, he found Mr. Pitman lying in the operating chair. His face was near the gas mask, and the nitrous oxide was escaping. It was presumed that he had been inhaling the gas as a test. A verdict of "Death by misadventure" was given.

Poisonings.—The following cases of fatal poisoning have been recorded since our last report: Two persons named Wakeford, father and daughter, were recently poisoned at Godalming by potassium cyanide. An inquiry into the circumstances of the case led to a verdict of "Suicide while of unsound mind" in the case of the father, and one of "Death by misadventure" in the other case.—The inquest on the body of a fisherman named Hicks, who died after obtaining possession of some morphine pills left in a Milford Haven doctor's surgery (*C. & D.*, October 23, p. 57), resulted in a verdict of "Death from poisoning while under the influence of drink."

THE STUDY OF COMMERCE.—Speaking at a recent meeting of the Association for the Advancement of Education in Industry and Commerce, Mr. T. S. Ratcliffe (director of Boots Pure Drug Co., Ltd.) gave a résumé of some of the methods pursued by his company in educating their employees. An ingenious scheme had been instituted whereby a number of young men were asked to suppose that they were in business for themselves. Each chose a partner from among his colleagues, and each firm of two partners traded and did business with the others. All transactions were recorded, books were kept, and prizes were awarded for the best results. A drawback to the scheme was the lack of leisure on the part of those who might help these young "partners."

IN THE COURTS.—At Blackburn Police Court, on October 21, William Wilson, described as a chemist, was fined 5s. for causing an obstruction with a motor-cycle.—At Brentford, on October 21, two boys were remanded on a charge of stealing lead from the works of A. & F. Pears, Ltd., Isleworth.—At the Old Bailey, London, on October 22, Thomas Stopher, a ship's steward, was sentenced to eighteen months' hard labour for attempting to murder a carriage-cleaner by administering phosphorus paste to him (*C. & D.*, September 25, p. 67).—At Salford, recently, Percy Tippett was sent to prison for one month, and Thomas Brown for seven months, for being concerned in the theft of goods from the premises of Jackson & Co., Ltd., manufacturing chemists, Chapel Street.

FIRES.—An outbreak of fire occurred, on October 22, at the premises of Mr. R. C. Keay, chemist and druggist, Barrow-in-Furness. The outbreak was detected by the noise of bottles bursting. Considerable damage, of which only a part is reported to be covered by insurance, was caused to the shop and stock, but the flames were prevented from spreading to the inhabited portion of the premises.—A fire broke out at the premises of Mr. T. Pearson Parker, chemist and druggist, Bridge Street, York, on October 25. The outbreak was due to some wax boiling over, and was extinguished by the use of syphons of soda water.—A light being thrown down caused a slight

outbreak of fire on the premises of Leonards, manufacturing chemists, Craven Street, London, W.C., on October 26.

ICE-CREAM DEFINED.—At Lambeth Police Court, London, on October 23, a trader named Sorrentino was summoned for having sold ice-cream after 9 p.m. The defence raised was that the article sold was not ice-cream but "milk-ice," which is made from iced milk, eggs, and sugar; that it was a refreshment, and, as such, was outside the Order dealing with the closing of shops. The President of the Ice Cream Federation said that ice-cream was made of cream, sugar, eggs, and vanilla. It was only in the best restaurants that people got ice-cream really made of cream. Mr. Albert Parella, an ice merchant, called for the police, said he had in the course of his experience made tons of ice-cream. It was his practice to make it from eggs, milk, cornflour, sugar, and vanilla. A fine of 10s., with 2*l.* 2*s.* costs, was imposed.

Irish News.**Brevities.**

Mr. W. D. Broderick, M.P.S.I., has opened The Modern Pharmacy, Pearse Street, Listowel, co. Kerry.

Mr. J. A. Woodside, Ph.C., Ballymena, has been elected President of the Ballymena Musical Festival Association for the ensuing year.

The Bailieborough Board of Guardians, co. Cavan, have declined to fill up the necessary forms sent on by the Local Government Board. The result is the Guardians will not get recouped by the Local Government Board.

Mr. W. Galbraith, Ph.C., The Medical Hall, Carrickmacross, co. Monaghan, who was elected a member of the urban council under the proportional representation system last January, has been disqualified owing to non-attendance, and the council has co-opted a successor.

Belfast.

At the Recorder's Court, on October 23, two men named Frederick W. Lemon and Robert Spence were tried on a charge of stealing a bottle of port wine from the shop of Mr. Hugh Marshall, R.D., 2 York Road, on September 28. Mr. Marshall said that three men came in and demanded money. He refused it, and they went out. Henry W. Lees, an assistant, said he saw Lemon hand a bottle of wine to Spence. The jury found prisoners guilty, and the Crown offered no evidence on a charge of demanding money by menaces. The Recorder said that Lemon had a bad record. He would be sentenced to six months' imprisonment with hard labour. There was no previous conviction against Spence, and he would be bound over in 10*l.* to keep the peace, and to come up for judgment when called on.

Dublin.

A deputation on behalf of the Chemists' Section of the Shop Assistants' Union waited on the Guardians of the Dublin Union on October 20 with reference to future appointments of compounders to the dispensaries, and advocated that those positions should be given to trade unionists. The chairman stated that when making appointments the points raised would be borne in mind.

AN ARTIST.—“A new artist, in begging, has arisen in the West End. He is to be seen any evening outside the house of almost any doctor. His face is rueful; in one hand he holds a box of pills, on which he looks with lack-lustre eye. Should anybody appear to take notice of himself and his pill-box he is very ready to enter into conversation. ‘I went to the doctor,’ he relates, ‘and he gave me pills. These are the pills. I am to take three after each meal.’ Probably at this point of the recitation the question is put to him, ‘Then why not take the pills?’ The artist’s answer is ready: ‘I cannot take them; I have had no meal.’”—“The Morning Post.”

Scottish News.

Brevities.

An industrial laboratory for the Scottish woollen trade has recently been opened at Hawick.

To the unprecedented felling of conifers in Scotland is attributed a prevalent plague of insects (of various species) harmful to timber.

Voluntary aid detachments in Fife are in danger of extinction, according to "The Courier," owing to the action of the medical practitioners in demanding a minimum fee of 1*l.* 1*s.* for each lecture.

Mr. Fred. Bewglas has been appointed representative in Scotland for H. & T. Kirby & Co., Ltd.; manufacturing chemists, London, N.W. Mr. Bewglas has been for many years with John Mackay & Co., Ltd., Edinburgh.

The following chemists and druggists are among the candidates seeking election at the municipal elections, which take place during the coming week : Mr. G. M. Cruickshanks, Turriff ; Mr. W. Davidson, Blairgowrie ; Mr. A. Gilchrist, Huntly ; Mr. J. F. Hunter, Dingwall ; Mr. W. Meldrum, Rothesay ; and Mr. J. P. Thomson, Penicuik.

Miss Peggy Weir, eldest daughter of Mr. A. S. Weir, chemist and druggist, Kemnay, who recently passed the Trinity College (London) intermediate examination in singing, has been awarded the silver medal presented to the most successful pupil of the year. Miss Weir gained 93 per cent. of the total marks, the highest ever awarded to a pupil in Aberdeen.

Edinburgh.

The latest half-yearly balance-sheet of St. Cuthbert's Co-operative Association, Ltd., shows net sales in the drug department as follows : Bread Street, 3,940*l.*; Tyne-castle, 2,212*l.*; Hamilton Place, 1,360*l.*; Nicolson Street, 1,953*l.*; Montrose Terrace, 960*l.*; Haddington Place, 1,669*l.*; Morningside, 974*l.*

The Royal Society of Edinburgh has appointed the following members of council : Vice-Presidents, Principal Sir Alfred Ewing, K.C.B., Professor John W. Gregory, D.Sc.; councillors, Professor Francis Gibson Baily, Robert Campbell, D.Sc., Professor James Colquhoun Irvine, Lord Salvesen, Professor J. Arthur Thomson.

The following letter from "Ex-1/5th Royal Scot" appears in a recent issue of a local paper : "I beg to bring before the public the case of chemists' assistants, qualified and unqualified, and their inability to find employment. In Edinburgh alone we have close on 100, practically all ex-Service men, who are unable to find employment due entirely to two factors (1) the unpatriotic spirit and failure on the part of the masters to play the game, in exploiting female labour to be had at exactly one-half the living wage demanded by men ; and (2) the obstinacy of women in retaining the posts vacated by these men. We want no favour or charity ; we simply ask justice. . . . I earnestly hope that something will be done to rectify matters either in the way of women demanding a wage on a more equal basis with men, or by the public showing disapproval of chemists who do not employ at least one male assistant on their staff."

French News.

(From the "C. & D." Paris Correspondent.)

NEW MEDICAL WORKS.—A volume on "Toxines and Anti-Toxines" has been published by Dr. Maurice Nicolle (Professor at the Paris Pasteur Institute) in collaboration with MM. E. Césari and C. Jouan. Dr. H. Vioille, of the same Institute, publishes a volume on "Cholera." Dr. Albert Weil's "Elements of Radiology" has appeared in a second edition, revised and brought up to date. The work comprises three parts.

THE PROPRIETARY-MEDICINE BUSINESS founded and developed by the late Senator Astier (granulated kola, etc.) was recently advertised for sale in the Parisian press, the reserve price being given as 7,000,000 frs.

SEVERAL PHARMACISTS AND doctors, who rendered valuable aid when a recent disastrous accident occurred at Houilles (just outside Paris) on the State Railway line, are to be officially rewarded by the Minister of the Interior.

THE CENTENARY OF QUININE.—It was on October 16, 1820, that Pelletier read to the Academy of Sciences the second and concluding portion of his paper on "Researches on Cinchona," made in collaboration with Joseph Caventou.

THE ANNUAL GATHERING at the Institute of France of the various Academies is fixed for October 25. A paper on "Chemistry during the War," by M. Moureu, of the Academy of Sciences, will be one of the five principal features of the sitting.

THE LESSONS OF THE WAR.—Issued by a well-known firm of Parisian publishers of scientific works, is to include a volume on "Chemistry and the War." To this M. Charles Moureu (until recently professor at the Paris School of Pharmacy) contributes a chapter on "Chemistry and Metallurgy."

LADY WHO MAKES EYES.—The Continental "Daily Mail" publishes a portrait and notice of Miss Millauro, an English girl, who has established herself in Paris (Boulevard Sébastopol) as an artificial-eye maker, under the guidance of her father, Dr. Millauro. She is a pupil of a Mr. Taylor, London.

SURPLUS MILITARY STORES.—Advertisements of sales of surplus military stores are daily features in the Parisian papers. The medical stores at Etaples were sold by auction for the Disposals Board on October 15. "No. 6 Base Dépôt" contained nearly 7 cwt. of ether, over 19,000 splints, and large hospital stores.

BEECH-NUT OIL.—It is in October that beech-nuts are gathered for oil-making. This was formerly a popular substitute for olive oil in the North of France, and one forest near Soissons produced eighty tons of oil yearly. The nuts are kept in a dry place till December, and crushed, yielding about 1 lb. of oil to the gallon. More can be obtained by pressing while hot, but the oil thus obtained is of inferior quality, only fit for soap-making or for lamps.

POST FOR PHARMACIST.—The post of head of the Galenical Laboratory at the Central Pharmacy of the Paris hospitals will be awarded by a competitive examination which will be held in December. It is open to ex- "internes" (house pharmacists) of Paris hospitals, who are under thirty-five, holding the first-class pharmacist's diploma. The jury consists of three head hospital pharmacists and a pharmacy professor, with the Director of the Central Pharmacy as chairman.

CLINICAL THERMOMETERS.—The Minister of Agriculture's circular to pharmacy inspectors on the subject of medical thermometers points out that thermometers are required to bear the official testing stamp, the registration number, and the year of testing. For those made previous to the passing of the law in 1919 the stamp of the laboratory of the Conservatoire des Arts and Métiers suffices. Unstamped thermometers should be seized and forwarded to the laboratory for inspection.

ACADEMY OF SCIENCES.—At a recent meeting of the Academy of Sciences, M. Moureu read a paper on the researches of M. Denigès (Professor of Biological Chemistry at the Mixed Faculty of Medicine and Pharmacy at Bordeaux). This savant studied the alkaline earth metals, and M. Moureu explained his most recent work on the microchemical differentiation of barium and radium. M. Denigès, with a grant of only 300 frs. per annum for this research work, was practically held up for want of funds. Sir Basil Zaharoff, hearing of this, sent him the sum necessary to purchase the radium required to complete his experiments.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Cape Province.

RECIPROCITY OF DIPLOMAS.—The following notice is published by the Department of Public Health in the "Union Government Gazette" of September 24, 1920:

His Excellency the Officer Administering the Government-in-Council has been pleased, under the provisions of Section 64 of the Medical and Pharmacy Act, No. 34 of 1891 (Cape), to approve the following amended Regulation No. 31 framed by the Colonial Pharmacy Board in terms of Section 25 of the said Act, in substitution for the existing Regulation No. 31:

Regulation No. 31.

31. The following certificates or diplomas of competency as a pharmaceutical chemist, or as a chemist and druggist, will be entertained by the Board in any application for a licence to practise as a chemist and druggist in the Cape Province without further examination:

Major Examination Certificate of the Pharmaceutical Society of Great Britain.

Minor Examination Certificate of the Pharmaceutical Society of Great Britain.

Pharmaceutical Chemist's Examination Certificate of the Pharmaceutical Society of Ireland.

Examination Certificate of the Pharmacy Board of Victoria.

Examination Certificate of the Pharmaceutical Society of Tasmania.

Examination Certificate of the Pharmacy Board of Queensland.

Examination Certificate of the Natal Pharmacy Board constituted under Act No. 35 of 1896 (Natal), or of the Natal Medical Board constituted under Law No. 37 of 1884 (Natal), or of the Natal Medical Committee constituted under Ordinance No. 9 of 1856 (Natal).

Examination Certificate of the Transvaal Pharmacy Board constituted under Ordinance No. 29 of 1904 (Transvaal), or of the Board of Examiners constituted under Laws No. 13 of 1886, No. 6 of 1895, and No. 16 of 1896, of the South African Republic.

Provided—

(a) the applicant submits, together with such certificate, a declaration sworn before a magistrate or justice of the peace (1) of personal identity, (2) of the authenticity of the said certificate, (3) of the fact that he is entitled to practise as a qualified chemist and druggist in the country where the said certificate was granted; and

(b) the applicant's name appears in the current register of the authority issuing the certificate, as entitled to practise in the country in which it was granted; provided, further, that if an applicant wishes to register in the Cape Province within twelve months from the date on which he was registered in such country, and his name would not in the ordinary course appear in the register until its next issue, the Board may, if otherwise satisfied, approve of his registration.

No other certificate or diploma will be accepted unless the authority issuing the same shall have arranged to grant reciprocity to those holding this Board's Examination Certificate, and unless the acceptance of such other certificate or diploma has been notified by regulation.

Similar notices of regulations framed by the Natal and Transvaal Pharmacy Boards, appearing in the same issue of the "Union Government Gazette," indicate that reciprocity has at last been arranged between the Cape, Natal and Transvaal Provinces for the recognition of their respective diplomas. The Orange Free State Province does not yet appear to have joined up.

Natal.

BUSINESS CHANGE.—Turner & Co., wholesale and retail chemists, Pietermaritzburg, Natal, have resumed their retail business in new premises. Their old premises were destroyed by fire last year.

CHEMISTS' EMPLOYEES' ASSOCIATION.—A Chemists' Employees' Association was formed in Durban at a meeting held in the Town Hall on September 27. Mr. Gilling, the chief promotor of the gathering, was elected chairman. The Johannesburg Chemists' Employees' Association recently demanded a salary of

45/- per month for employees, and it is expected that the new Durban Association will make a move in a similar direction.

Pharmaceutical Society of the Orange Free State.

A GENERAL meeting was held at Bloemfontein on September 28. There were present, Mr. Taylor (President), Mr. Weller (secretary and treasurer), Messrs. Reid, Carter, Fyfe, Gunn, Abelson, and Foster (members), and Messrs Greaves and Fivie (visitors). Mr. Fivie was elected a member. Mr. Weller gave notice of motion to review and rescind the resolution carried in April raising the subscription to 1*l.* 1*s.* 6*d.* for employers and managers and to 1*l.* 1*s.* for other members. He said that this was hard on country members, who practically only received the *C. & D.* and the reports of their meetings in return for their subscriptions. He proposed that the subscription be 1*l.* 1*s.* per annum for qualified members, 15*s.* for unqualified members, and 10*s.* 6*d.* for apprentices. Mr. Reid seconded the proposition, but objected to Mr. Weller's statement in regard to country members. He said that the Society had always been ready to assist country members, and in several instances had been able to help them out of their difficulties, and he mentioned several cases in proof of this. The proposal is to be brought forward again at the next meeting. A reply was received from the Medical and Pharmacy Council to the Society's letter protesting against the admission to the O.F.S. Register of certain persons recently admitted to the British Register of Chemists and Druggists without examination. The Council's reply was that at its last meeting the contents "were received for information." Mr. Carter, one of the pharmaceutical members of the Medical and Pharmacy Council, stated that in the opinion of most of the medical members of the Council, expressed during the discussion of the letter, the Society's regulations were strong enough to stop the registration of the men referred to. A reply to the Society's letter to the Minister of Public Health on the subject of a Conference of the various Pharmacy Boards (excluding the O.F.S.) was received stating that "no such Conference has been held." The Secretary for Public Health has had interviews on the subject of reciprocity between the various Pharmacy Boards of the Union, comprising the Cape, Natal, and Transvaal Boards. He communicated on August 24 with the Medical and Pharmacy Board O.F.S. with a view to arranging an interview with that body. A letter was received from the Chemists' Employees' Association asking the Society to arrange another meeting with the University delegates and the Society to discuss the matter of pharmaceutical classes and to endeavour to begin the classes in earnest. The secretary was requested to reply to this letter, informing the C.E.A. that information had been received from Dr. Rindl that the proposed scheme has been before the University Council, and had been forwarded by them to the Government, from whom they have not yet received a reply. Owing to the alteration of the early-closing day from Wednesday to Saturday most of the students will be unable to attend Wednesday afternoon classes. Mr. Reid promised to interview Dr. Rindl with a view to arranging evening classes instead of Wednesday afternoon classes as at first proposed. The letter from Mr. Kemp, secretary of the Proprietary Articles Trade Association, asking the Society to form a branch in Bloemfontein, was discussed at some length. The President asked Mr. Greaves for his opinion of the working of the P.A.T.A. in Cape Town. Mr. Greaves spoke strongly in favour of it, and said it had accomplished a lot of good work for the retail trade. Mr. Reid proposed and Mr. Gunn seconded that a branch of the P.A.T.A. for the O.F.S. be formed. This was carried, and a committee was elected, which included Messrs. Fyfe, Gunn, Reid, Carter, and Greaves, with Mr. Reid as honorary secretary. This Committee is to report to the Pharmaceutical Society at any time necessary. Discussion on the completion of the Price List was deferred until October 1.

Festivities.

Burroughs Wellcome & Co.'s Whist-drive.

THE London staff of Burroughs Wellcome & Co., together with their friends, held a successful whist-drive on October 22, at the Veterans' Club, Holborn, London, E.C. At the close of the evening presentations of "special trains" were made, the miniature dimensions of which were suggestive of "Tabloid" products, with the alleged object of facilitating attendance at business of certain members of the staff in case of a railway strike.

Boots' London Warehouse Social.

ON October 22 the staff of Boots Pure Drug Co., Ltd., Borough Road Warehouse, London, S.E., held a successful social at the Edric Hall, Borough Polytechnic Institute. The event of the evening was the presentation of a gold watch, suitably inscribed, together with an autograph-album, containing the signatures of the contributors, to Mr. Percy Sparks, who for over seventeen years has been manager of the warehouse, but, at the company's request, has taken up a more responsible post in connection with the management of the retail branches in London and the South. Bouquets of carnations from the female staff were also presented to Mrs. Sparks and her little daughter. Mr. T. S. Ratcliffe, Nottingham, a director of the company, took the chair, and, in making the presentation, which was subscribed for by the whole of the staff of nearly four hundred employees, expressed his own and the company's appreciation of the business capacity and sterling character of Mr. Sparks. Mr. Sparks suitably replied. Various members of the staff contributed to the musical programme.

London County Association Dinner.

THE holding-up of the President of the London County Pharmaceutical Association (Mr. A. J. Wing) on his way to the Association's annual dinner at the Holborn Restaurant, W.C., on October 21, made it appear at first as if it would be a case of "Hamlet" with the Prince of Denmark left out. The loudest cheer of the evening marked the President's arrival, and relief was mingled with amusement when it turned out that he had been delayed through a cause almost galenical—a fire at the Hop Exchange. Mr. G. B. Barnard received the guests on behalf of the President. On either side of the chairman at the top table were Mr. F. Pilkington Sargeant (Vice-President of the Pharmaceutical Society), Messrs. John Keall, A. R. Keith, and Herbert Skinner (members of the Society's Council), Sir William Glyn-Jones (secretary of the Society), and Messrs. F. W. Gamble, John Humphrey, A. H. Jenkin, T. Edward Lescher, and S. F. Webb. The spur tables were presided over by Messrs. J. Murison, J. Milner, G. A. Tocher, H. S. Watson, and E. Skues; and among the general company we noticed Messrs. Agnew (Wright, Layman & Umney, Ltd.), G. Duncan Bowie (Duncan, Flockhart & Co.), A. Boyes (Evans Sons Lescher & Webb, Ltd.), J. P. Ellerington, T. M. Ford (S. Maw, Son & Sons, Ltd.), Norman Fox, Harry Martin, C. A. Noble, H. R. Procter, T. Scarlett (Thomas Hodgkinson, Prestons & King), W. B. Trick, and B. R. Wilkinson. The musical programme alternating with the speeches was much appreciated, Mr. George Buck—an established favourite at chemists' dinners—being in excellent form. If all the speeches did not satisfy the expectations of the dinner committee (as expressed in the circular of invitation) in the matter of brevity, some, at any rate, showed a leaning to mercy. The introduction of an interval midway in the evening was a capital idea, and allowed of the friendly "ragoggs" without which no such function is complete. There were three toasts. The first, that of "The Pharmaceutical Society," was concisely given by the chairman, who remarked that the present Council might be called a progressive one. Mr. F. Pilkington Sargeant, in reply, said that the criticism of the Pharmaceutical Society by the London County Pharmaceutical Association was sometimes caustic and destructive, but the Society liked it. The Society had increased the standard of education

by controlling studies, the only exception to this control being the four thousand hours spent in a shop—which, he thought, should be an approved shop. The object of the Society was not to create any class other than retail pharmacists. The Proprietary Medicines Bill, which had had the prompt and careful consideration of members of the Society's Council, possessed an unintentional wideness of scope that might make the legitimate business of the pharmacist suffer. There was one dangerous fallacy current—the assumption that all quackery is outside the medical profession. (Hear, hear.) Sir William Glyn-Jones, in proposing the toast of "The London County Pharmaceutical Association," warned his hearers that there was a danger to-day, even in pharmacy, of not looking enough to personal initiative and efficiency. The moment pharmacists set their organisation against the general welfare of the country, that moment they would be beaten. Sir William paid a high tribute to Mr. John Humphrey, whose name was coupled with the toast, and to Miss Buchanan. If anyone were to issue a 10,000/- challenge as to the administrative knowledge of any three persons in pharmacy—(laughter)—Mr. Humphrey and himself would probably take it up without waiting for a third person. Mr. Humphrey, in a brief reply, intimated that there was a little cupboard at an address in Bloomsbury Square where resolutions sent to the Council are stored. (Laughter.) After an acknowledgment of Mr. Skinner's work for pharmacy, he added that London was in earnest and ready to assume its proper position. "The Ladies and Visitors" was genially given by Councillor A. R. Keith, and was acknowledged by Mr. T. Edward Lescher, in two or three sentences, with the grudging acquiescence of "Dora"—or whoever it is that puts the lights out. "Auld Lang Syne," the words of which no Englishman ever succeeds in mastering, was rendered by way of benediction by the Scottish chemists present.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

SPENCE & CO. (NEWCASTLE), LTD. (P.C.).—Capital, 5,000/- Objects : To acquire the business of chemical, paint, oil, and varnish merchants, manufacturing agents, and analytical chemists, carried on at Newcastle-on-Tyne as "Spence & Co.," together with the trade-mark "Umprene." R.O. : 46 Side, Newcastle-on-Tyne.

SOLVERTS RECOVERY CO., LTD. (P.C.).—Capital, 5,000/- Objects : To exploit the manufacture of a patent apparatus, with the registered trade-mark "Volig," for the recovery of volatilised liquids, to take over the business recently carried on at Mill Street, Pendleton, by J. Lloyd and J. H. Wild (the first directors). R.O. : Mill Street, Pendleton, near Manchester.

SYNLAC, LTD. (P.C.).—Capital, 3,200/- Objects : To acquire from E. A. Musket the benefit of an invention relating to improvements in the manufacture of shellac-like products, and to carry on the business of manufacturers of and dealers in varnishes, paints, oils, pigments, polishes, knotting, and insulation materials, oil and colour men, chemists, druggists, drysalters, etc. Solicitor : A. S. Chetwood, 7 St. Helen's Place, London, E.C.

SPARKLETS AND BRITISH OXYGEN CO.—The directors of the Sparklets and General Manufacturing Co. have entered into an agreement whereby the British Oxygen Co. has offered to purchase the whole of the 225,000 issued shares of Sparklets and General Manufacturing by an exchange of shares in the British Oxygen in the proportion of one British Oxygen share for every four and one-sixth Sparklets shares. This is officially stated to be equivalent to 12s. for each Sparklets share. The agreement is conditional upon the holders of 80 per cent. of Sparklets shares accepting the British Oxygen Co.'s offer within ten days of its being communicated to them.

The Profiteering Act.

Notes.

REPORT ON TRUSTS.

THE Sub-Committee appointed by the Standing Committee on Trusts under the Profiteering Acts, 1919 and 1920, has issued its report. This Sub-Committee was formed to inquire into the existence of any trusts, combines, or agreements in the oils, fats, and margarine trade, and into the effect which their existence, if proved, has upon prices and supplies to the consumer in this country. The general conclusion arrived at was that there is no evidence to show the existence of any combination between the principal groups of interests. The trade, states the report, is characterised by several big groups of manufacturers, including the British Oil and Cake Mills, Ltd., the United Premier Oil and Cake Co., Ltd., Jurgens, Ltd., and the Maypole Dairy Co., Ltd. As regards importers, there are a great number of concerns, of which the African and Eastern Trade Corporation, Ltd., is the most powerful. In the soap-making branch there are the Lever group and a number of independent makers. The possibility of a corner in any particular oil or seed by any one group has been carefully considered, and the Sub-Committee is of the opinion that this would be impracticable. Under normal conditions the price of palm kernels, for instance, is in effect regulated by the price of their competitor coconut, the production of which is too widely distributed throughout the world to permit of being cornered by any section of industry or any country. The report expresses the opinion that, if and when there is any indication of a monopoly in any trade or industry resulting in unfair prices, a committee of traders and of a certain number of Government officials should be set up to fix a reasonable maximum remuneration to be allowed on turnover in that trade or industry. If a manufacturer or trader should make a profit in excess of that maximum, such excess would have to be paid over to the Government.

Complaints.

BERMONDSEY.—At the sitting of the Profiteering Committee on October 23, the hearing of two charges of alleged profiteering against Goodrich, Ltd., drysalters, was concluded. The charges made were in respect of short measure in methylated spirit (*C. & D.*, October 2, p. 54), and it was now suggested on behalf of the respondents that, if there was to be a prosecution, proceedings should be taken against the managers of the shops specified. The Committee decided to take no action.

LAMBETH.—At the sitting of the Profiteering Committee on October 25, Mr. H. T. Escritt, chemist and druggist, was the respondent in a case of alleged profiteering, the article in question being Tiodine Cognet, for which 5s. had been charged at his shop in Acre Lane, S.W. 2. Mr. Anderson (Neve, Beck & Kirby), who appeared for the respondent, instructed by the Chemists' Defence Association, Ltd., explained that the article was ordered in a prescription, and the labels had to be changed. The cost price was 3s. 2d. The complaint was dismissed.

WESTMINSTER.—At the sitting of the Profiteering Committee on October 25, Roberts & Co., chemists, 76 New Bond Street, were the respondents in a complaint made by a Mr. Beer to the effect that they had charged 15s. 6d. for a box of Lymphoid Compound capsules. The complainant stated in evidence that nothing was mentioned about the price at the time of purchase, but his doctor had said that he would be able to get them for about 10s. or 12s. He afterwards wrote to the manufacturers, who replied that the retailer was not allowed to charge more than 12s. 6d. It was now stated that the respondents had written explaining that an assistant had made a mistake, and the overcharge had since been returned. For the respondents, Mr. C. H. Kirby (Neve, Beck & Kirby) submitted that the overcharge was entirely due to the assistant's mistake. The chairman, in giving the decision of the Committee, said that, while it was regrettable that such a mistake should have been made,

the Committee felt that the charge of profiteering had not been sustained. The complainant protested that the Profiteering Act seemed to be of no use whatever. Any firm could get out of a charge by returning the excess, and it had to be remembered that in ninety-nine cases out of a hundred no complaint was made by the people overcharged. The Chairman: You have heard the Committee's decision.—At the same sitting, a case dating from April 6, and deferred "until after June" at the complainant's request, was down for hearing. Mr. R. S. Starkie, chemist, 126 Strand, W.C., was the respondent, and the article mentioned in the complaint was a box of saccharin tablets. A Mr. Whitmarsh was the complainant, and on his behalf a further adjournment was asked for. Mr. Kirby, however, pointed out that the respondent had appeared with his witnesses on a previous occasion, and, although he had not received notice, consented then to an adjournment. It was now four months later, and another adjournment was suggested. The chairman said that in the absence of the complainant the case would be dismissed.—At the same sitting, W. E. Lowe & Co., Ltd., chemists, 8 Stafford Street, W.1, were called to answer a complaint of having charged 8s. 6d. for a pint of hair-wash, the manufacturer's price of which was 2s. 6d. Mr. Kirby contended that, as the article was neither a drug nor a medicinal preparation, it was not in the Profiteering Act. The Chairman: You don't read the Schedule as only comprising articles for internal consumption, do you?—Mr. Kirby: I rather think so. I suggest that the phrase "medicinal preparation" is only intended to include articles for internal use. Colonel Wyld, a member of the Committee, said he bought hair-wash, and it would never occur to him that it was a medicinal preparation. Mr. Kirby said the wash was mainly made of alcohol. The Chairman said that one of the ingredients was certainly a drug. Mr. Kirby: Water is a drug on occasion, but you would not dream of hearing a complaint about it. The Committee decided to hear the case. The complainant having given evidence, Mr. Kirby said the cost price of the article, including the bottle, was 3s. It had to be specially sent for, and was also delivered to the complainant. The usual retail price was 6d. per oz. It was bought from John Bell, Hills & Lucas, Ltd., Oxford Works, S.E., and he suggested that in the circumstances the charge was not excessive. The pre-war profit on the wash was actually greater than that in the present transaction. The expenses of running a chemist's business in the West End were enormous in proportion to the turnover, and the actual net profit on this transaction was 1s. 8d. Mr. E. Whineray, chemist and druggist, manager for the respondents, stated that a friend of his had since purchased 3vj. of the wash, and had to pay 2s. 6d. for it. The chairman said that if Mr. Kirby wished to plead special services he could not also plead replacement value. Mr. Kirby replied that the pre-war profit ought to be compared with that in this transaction. The Committee decided that the case was one of profiteering, and ordered a refund of 2s. 6d.—At the same sitting, a complaint was made by a Mr. Beeston of a charge of 1s. for 10 gr. of quinine (in tablets) at the Haymarket branch of Heppells, chemists. The complainant, giving evidence, said that the firm's assistant gave him the impression that the tablets were specially good and that the price was quite reasonable. Answering the chairman, Mr. Kirby said that the tablets were sold by the wholesalers in bottles of twenty-five at 45s. per doz. Mr. L. L. Bacarese, chemist and druggist, stated in evidence for the defence that Messrs. Heppells usually charged 1s. for a draught. This transaction was treated as a draught, but it should not have been. The Chairman: If it had not been a draught, what should the price have been?—Sixpence would have been a fair price, considering the locality. He added that care was always taken to sterilise the drinking-vessels used. The Committee ordered a refund of 6d., the chairman observing that, because of technical difficulties, they would not order a prosecution. The Complainant: I came here with the object of obtaining a prosecution. I was on active service, and these people, I consider, have charged me an enormous price.

The chairman said that the Committee's experience in regard to prosecutions was that the game was not worth the candle. At the same time they wished to protect the public, but they could only trust to the decency of people in business. The Complainant: Begging your pardon, I don't think they have any. A member of the Committee declared that it was simply a farce for the Committee to sit and order refunds of 2d. or 3d. The chairman remarked that the discussion should have been in private, and outlined a case in which the Committee had ordered a prosecution. The complainant, in the event of a prosecution, would have to prove all the facts in connection with the manufacture and cost of the tablets. The Committee had sent a protest to the Board of Trade on the subject. Mr. Kirby said that this was the first complaint against the respondents, although they had a number of shops. Any man might make a mistake, and it was not remarkable that one should be made in the course of several thousands of transactions. These cases were defended by the Chemists' Defence Association, Ltd.

Legal Reports.

Condensed-milk Accounts.—In the City of London Court, on October 26, the Nestlé and Anglo-Swiss Condensed Milk Co., 6 and 8 Eastcheap, E.C., sued Mr. J. Moffat, grocer, Worcester, for 8*l.* 1*s.* for condensed milk supplied. Defendant said he had paid the amount and produced receipts and credit notes for it. Plaintiffs had received orders from him, and instead of executing some of them they sent him credit notes. It was monstrous that he should have been sued. Plaintiffs' accountant said that the account was due according to their books. Assistant Judge Jackson found for the defendant, with costs.

Application for Possession.—In Tavistock County Court, on October 23, Francis Charles Palmer and his wife, who carry on business as grocers at 5 Bedford Square, sued Marie Grace Pearce for the recovery of possession of 7 Bedford Square, where Mrs. Pearce conducts a chemist's business. Plaintiffs formerly occupied both shops, but in 1914 they let the smaller one to the late Mr. T. E. Pearce, chemist and druggist, who died in 1916. The business has since been carried on by the widow. Judge Terrell expressed his regret that the Legislature left the discretion in these cases to the Judge. There was bound to be hardship, whichever way he regarded the matter. He made an order to give up possession next Lady Day, but consented to extend the time if Mrs. Pearce could not find another shop for her business within that period.

Charge of Attempted Fraud.—At the Central Criminal Court, recently, Henry Charles Jefferies (41) described as an engineer, pleaded "Not guilty" to an indictment which charged him with attempting to obtain a cheque for 200*l.* with intent to defraud (*C. & D.*, October 9, p. 67). After the police-court evidence had been recapitulated, Mr. Herbert C. Wilkinson, Worthing, manager of the Vermikol Chemical Co., Ltd., Oxford Street, London, W., said that about the end of August the accused called on him, and after several interviews it was agreed to restrain all competition in various areas, in a number of their products, in consideration of his placing an order over a certain value. It was agreed that he should have the sole selling agency over a defined area for six months. The negotiations were never completed. The defendant had given an order for goods amounting to 800*l.* to 900*l.*, but it had not been executed. Some of the correspondence sent by the defendant on printed forms was drawn attention to, and the managing director of the company objected to them. There was, however, no question of credit involved. No payment had been received and goods were not delivered. The defendant, giving evidence, denied the charges. He admitted, in answer to the judge, that he said that his firm were the owners of freehold property at Widnes. At the time he did

not know that statement was untrue, as he was under the impression that Vermikol products were manufactured in that town. He probably made an exaggerated statement as to 200 hands being employed. At the time of his arrest he had been accepted as tenant of offices in Blackfriars Road, S.E. The defendant was acquitted.

Bankruptcy Report.

Re Samuel Diamant, 51 Castellain Mansions, Elgin Avenue, London, W., chemical merchant. A receiving order was made against this debtor on October 12 at the instance of J. W. Pritchard & Co., Ltd., and on October 26 the first meeting of creditors was held at the London Bankruptcy Court, before Mr. E. Parke, Official Receiver. No statement of affairs was lodged, but the chairman reported that the debtor estimated his liabilities at 500*l.*, and had, in the shape of assets, doubtful book debts, 60*l.* He had stated that he was a Russian, and had not been naturalised in this country. He formerly carried on business as an importer and exporter of chemicals in Belgium, but in August 1914, in consequence of the war, he came to England as a refugee. Soon afterwards he was introduced to a Mr. Unterman, who volunteered to realise his property in Belgium, and bring back the money. He gave Unterman the necessary authority, but had received neither money nor account, and he did not know where that gentleman was now to be found. The value of the goods was about 5,000*l.* On his arrival in London the debtor had about 500*l.*, with which he commenced business as an importer and exporter of chemicals. He was successful until the end of 1916, when, owing to restrictions and the state of his health, he closed the business. Early in 1919 he started work again, and had since dealt in potash, but latterly there was no market for those goods, and he had sold at a loss. The immediate cause of his insolvency was a judgment obtained by the petitioning creditors. Some time ago he purchased a quantity of chemicals, which were delivered at the docks. The petitioning creditors inspected them, and agreed to purchase them; they paid part of the purchase price (2,700*l.*), leaving an outstanding balance of 300*l.*, which they refused to pay, alleging that the goods as delivered were inferior to those inspected. They subsequently brought an action against him, claiming 600*l.* as the difference in value between the goods inspected and those delivered. The debtor defended the action, on the ground that he did not touch the goods at the docks, but judgment for 600*l.* was given against him, less the balance of 300*l.* owing on the goods. On behalf of the debtor it was intimated that he hoped to be able to pay his debts in full, and, after some discussion, the meeting was adjourned till November 9, the creditors desiring the appointment of a trustee and a committee of inspection.

PROFESSOR BOSCH, a German authority on nitrate production, states that the Oppau and Merseburg works will, after completion, produce annually 300,000 tons of nitrate of ammonia.

THE IMPORTANCE OF CHEMISTRY.—Speaking at Bradford recently, Lord Moulton said that the war had taught us that every nation must be prepared at a pinch to stand alone, and that, of all the industrial sciences, the one that was going to be the most important, and the one which we had most neglected, was chemistry. It was absolutely essential to the nation in war-time that there should be well-developed chemical industries in abundance in order to take on the tasks that war would most certainly throw on their shoulders. When he came to contemplate the next war, he believed recourse would be made to toxic substances first of all, and that nation would have the greatest advantage which had chemical industries capable of supplying the need. If such a war were to break out, and find us in such a state of nudity as we were at the beginning of the last war, long before we could meet the danger the war would be decided.

The Pharmaceutical Society's Limitations.

Judgment for the plaintiff was given on October 27 in the case of Jenkin v. The Pharmaceutical Society of Great Britain in the High Court, London.

STATEMENT OF CLAIM.

The following is the statement of claim drawn up by Sir Albion H. Richardson in the case of Jenkin v. The Pharmaceutical Society of Great Britain, and delivered by Neve, Beck & Kirby, 21 Lime Street, E.C., the plaintiff's solicitors (*C. & D.*, October 23, p. 51).

1. The defendants are a Society, incorporated by Royal Charter dated February 18, 1843, "for the purpose of advancing chemistry and pharmacy and promoting a uniform system of education for those who practice the same, and also for the protection of those who carry on the business of chemists and druggists," and for the purpose of providing a fund for the relief of distressed members and associates of the Society and their widows and orphans. The said Charter provided for the admission as members and associates of the persons therein described, and for the subscription by such members and associates to the funds of the said Society, in manner provided by the regulations of the Society. And the said Charter further empowered the Council of the said Society to hold examinations, and to establish by-laws regulating, *inter alia*, examinations, the qualifications of persons to become members, associates, or apprentices of the said Society, the grant of diplomas and certificates to members, associates, apprentices, and students, and the sum and sums of money to be paid by them respectively, or any of them, whether upon admission or otherwise, towards carrying on the purposes of the said Society.

2. Since the grant of the said Royal Charter certain additional powers and duties have been conferred or imposed on the defendant Society, the chief of which are as follows—viz.:

(a) By the Pharmacy Act, 1852, to establish a Register and enter therein the persons entitled under the Act to be registered (ss. 5, 6, and 10), to hold examinations of persons wished to exercise the business or calling of pharmaceutical chemists, or as the case may require to be engaged or employed as students, apprentices, or assistants (s. 8), and to recover penalties from any person who, not being registered as a pharmaceutical chemist according to the provisions of the said Act, assumed or used the title of pharmaceutical chemist or pharmacist, or who used or exhibited any name, title, or sign implying that he is a person registered under the said Act (s. 12).

(b) By the Pharmacy Act, 1868, with the consent of the Privy Council to prescribe regulations as to the keeping, dispensing, and selling poisons (s. 1), by resolution to declare that any article in such resolution named ought to be deemed a poison (s. 2), to hold examinations and grant certificates of competent skill, knowledge, and qualification to act as chemist and druggist (s. 4 and 6), to keep registers of persons entitled to be registered under the Act (ss. 5 and 10), to charge fees upon examination and registration, such fees to be used for the purposes of the Society, and to make by-laws fixing such fees (s. 7) and to make orders and regulations for regulating the Register of Chemists and Druggists to be kept under the Act (s. 9).

(c) By the Poisons and Pharmacy Act, 1908, to make by-laws (i) requiring candidates for examination to produce evidence of preliminary practical training, (ii) providing for the registration upon payment of the prescribed fee as pharmaceutical chemists and as chemists and druggists without examination of persons holding Colonial diplomas and other persons in the section prescribed, (iii) providing further as to courses of study and examination (s. 4).

3. In pursuance of the powers conferred by the said Royal Charter and the said Acts the defendant Society has made by-laws, dated in 1907 and 1912, which have been duly confirmed and approved by the Privy Council, under which the defendant Society requires and takes payment of registration fees, examination fees, and subscriptions, and such fees and subscriptions are the main revenue of the Society. The treasurer of the Society takes charge of all moneys of the Society and pays such accounts as the Council may order him to pay (s. 9), and the whole of the property and funds of the Society are under the management, direction, and control of the Council of the Society (s. 15). The plaintiff craves leave to refer to the said by-laws and to the said Charter and Statutes at the trial for the terms thereof.

4. The membership of the defendant Society consists entirely or principally of two classes of persons—viz.:

(1) Pharmaceutical chemists and chemists and druggists who are proprietors of businesses, and carry on the same as principals; and (2) pharmaceutical chemists and chemists and druggists who are not proprietors of businesses as aforesaid but are employees. The interests of these two classes of members would frequently be in conflict in relation to some of the acts and things threatened to be done as hereinafter alleged by the defendant Society.

5. The plaintiff is a chemist and druggist employed as head dispenser for the City of London and East London Dispensary, and was admitted and registered as a member of the defendant Society in the year 1913. He is a member of the Council of the defendant Society, and is interested in the conduct of the Society and in the funds thereof, to which he has contributed his annual subscriptions due by him as a member of the defendant Society.

6. The defendant Society, in excess and contravention of the powers conferred upon it by the before-mentioned Royal Charter and Statutes, has recently taken part in the promotion and establishment of an industrial council committee for the drug-trade or industry. It has spent part of its funds to aid in the promotion and establishment of the said committee, and threatens to expend, and will, unless restrained by injunction of this Honourable Court, expend more of its funds upon the promotion, establishment, and work of the said committee. The objects of the said committee so far as they have up to the present time been formulated include, *inter alia*, the regulation of wages, hours, and working conditions in the drug industry, the regulation of production and employment in that industry, the securing the settlement of disputes between different parties in that industry, the adoption of measures for securing the inclusion of all employers and employees in their respective organisations, the collection of statistics and information on matters appertaining to the said industry, the improvement of health conditions in the said industry, and the provision of special treatment where necessary for workers in the industry.

7. The defendant Society further alleges that, apart altogether from the formation of the industrial council as set out in paragraph 6 hereof, it has by the before-mentioned Royal Charter and Statutes power and threatens to undertake and perform each of the following matters and things—viz.:

(a) To regulate the hours of business of members of the defendant Society.

(b) To regulate the wages and conditions of employment as between masters and their employees who are members of the defendant Society.

(c) To regulate the prices at which members shall sell their goods.

(d) To exercise the functions of an employers' association.

(e) To insure and to effect insurances of members of the Society against errors, neglect, and misconduct of employees and against fire, burglary, damage to plate-glass, and generally against insurable risks.

(f) To audit accounts, collect debts, and take stock for its members.

(g) To provide and maintain an employment register and a register of unsatisfactory employees.

(h) To provide and supply information as to the commercial standing of persons and firms with whom members of the Society wish to transact business.

(i) To provide legal advice to members.

And the defendant Society, unless restrained by injunction of this Honourable Court, will undertake and perform and will expend part of its funds upon the undertaking and performance of the said matters and things.

THE PLAINTIFF CLAIMS—

(1) A declaration that it is not within the objects, powers, or purposes of the defendant Society to undertake or perform any of the matters or things mentioned in paragraphs 6 and 7 hereof or any duties in connection therewith, and that all such acts as are referred to in the said paragraphs are *ultra vires* the defendant Society.

(2) An injunction to restrain the defendant Society from expending any part of its funds upon any of the said purposes.

(3) Further or other relief.

(4) Costs.

THE JUDGMENT.

In the Chancery Division on October 27 Mr. Justice Peterson delivered his reserved judgment.

He said the object of the action is to prevent the defendant Society from giving effect to certain proposals alleged to be outside the purposes for which it was constituted. The Society was incorporated by Royal Charter on February 18, 1843. The Charter recited that certain persons had formed themselves into an association for the purpose of advancing chemistry and pharmacy, and promoting a uniform system of education for those who practised the same, and the protection of those carrying on the business of chemists and druggists, and the relief of distressed members of the Society and widows and orphans. The Charter also declared that the members of the Society should be chemists and druggists who were, or had been, established on their own account, or elected as assistants or superintendents of chemists and druggists, or apprentices or students who were duly examined and found qualified to be admitted. The Council was empowered to make by-laws for the governing of the affairs of the Society. The Pharmacy Act, 1852, provided for the appointment of a registrar whose duty it was to keep a register of members and the prohibition of persons not registered from practising as chemists and druggists. The plaintiff, who was a member of the Society, and also a member of the Council, contended that the operations mentioned in paragraphs 6 and 7 of the statement of claim were beyond the powers of the Society, and commenced this action for the purpose of testing the question whether the functions the Society were proposing to exercise were within their powers. The Council contended that the various matters were within the Charter, and that if they were not the doctrine of *ultra vires* did not apply to a Society incorporated by Royal Charter. It is clear that companies whose objects were defined by statute could be prohibited from doing acts outside the scope of those objects. Could the defendant Society be prohibited from doing acts not expressly prohibited but not specified in their Charter? Corporations constituted by Royal Charter stood on a different footing from companies which depended upon an Act of Parliament, and could do what any ordinary person could do, and even if the Charter expressly prohibited the Society from doing the act the Corporation could, under common law, do the act, but if the Corporation did that which was prohibited, or which it was not authorised by the Charter to do, the Charter might be recalled by the Crown; but, although there is this distinction between a statutory company and a chartered corporation, it did not follow that a member of the latter could not take proceedings to prevent the Society or the governing body doing an act outside its Charter which might lead to the destruction of the Corporation by the forfeiture of its Charter. In his lordship's opinion the authorities justified him in holding that if the Society intended to do acts not authorised by its Charter a member was entitled to ask for an injunction to restrain the commission of acts outside the Charter which might result in the forfeiture of the Charter and the destruction of the Society. It must be recognised that the only objects of the Society are those contemplated by the Charter and the Act, and that these amount to a statutory limitation of the objects of the Society. It is, therefore, necessary to consider what the Council is proposing to do. Clauses (f) (h) and (i) of paragraph 7 of the statement of claim were as follows: (f) gave power to audit accounts, collect debts, and take stock for its members; (h) was to provide and supply information as to the commercial standing of persons and firms with whom members of the Society wished to transact business; and (i) was to provide legal advice for members. As to (g), that was to provide and maintain an employment register and a register of unsatisfactory employees. It was not contended that the provision for an employment register was outside the powers of the Society, but it was said that the maintenance of a register of unsatisfactory employees was in the interests of the employers and not of the employees, and therefore not in the interests of the Society as a whole. His lordship was not satisfied that the elimination of unsatisfactory employees might not be in the interests of the satisfactory employees. In any case, he was of opinion that there was no valid objection to that part of the case. Under (e) the Society proposed to insure and effect the insurance of members of the Society against errors, neglect, and misconduct of employees, and against fire, burglary, damage to plate-glass, and generally against insurable risks. This was, in his opinion, on a very different footing to the powers previously referred to. The Society proposed to insure members against negligence on the part of employees, and generally against insurable risks. This would enable the Society to carry on an insurance business of any kind. Was that a measure for the protection of persons carrying on the business of chemists within the meaning of the Charter? In his

opinion some kinds of insurance might be for the protection of the insured—for instance, insurance against misconduct of employees, fire, burglary, and loss, but life insurance could not be described as a protection against any loss. In his judgment the carrying on of insurance business did not come within the purposes of the Charter, and was not contemplated by anyone at the time the Charter was granted. With regard to (a), (b) and (c): The first regulated the hours of business of members; (b) regulated the wages and conditions of employment as between masters and their employees who were members of the Society; and (c) regulated the prices at which members were to sell their goods. In his opinion (a), (b) and (c) were also outside the objects of the Society. The Society proposed to regulate the hours of business of its members, to regulate wages and the conditions of employment, and regulate the price of goods. The Society would thus become a Corporation for the regulation of the relations between masters and masters and masters and men, and would convert itself into a trade union within the meaning of the Trades Union Act. In one sense these objects might be said to be for the protection of members. The word "protection" was indefinite, and a reasonable meaning must be given to it in construing the Charter. He found it impossible to suppose that by these words it was contemplated that the Society might convert itself into a trade union, or legalise by Charter a combination in restraint of trade. As to 7 (d), he had no evidence as to what were the functions of an employers' association, but if they included the functions of (a), (b) and (c), they were open to the same objection. The complaint with regard to paragraph 6 is that the Society has taken power to form an industrial council committee, and is expending part of its funds in its formation and establishment. Some of the objects are alleged to be outside the powers of the Society. If the Society could not itself use the funds for the purposes in question, it could not hand over those funds to anybody else for the same purposes. Some of the objects were the regulation of hours and wages and working conditions and the regulation of production. These were open to the objections of 7 (a), (b) and (c), and consequently the Society was not justified in spending any part of its funds in promoting such a body. It is unnecessary to consider the remaining objects, some of which might be innocuous. There would be a declaration that it is not within the powers of the Society to expend any part of its funds on the maintenance or establishment of the council, or to undertake or perform any of the matters referred to in paragraphs (a), (b), (c) and (e).

Mr. Slessor said there would be no order as to costs.
His Lordship: No; I understand that has been settled.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Hydrocyanic Acid in Burma Beans.—Reports which are said to have emanated from Germany having reached Burma that hydrocyanic acid has been discovered to a dangerous extent in Burma beans, the Burma Government considered it advisable to have an examination made on the point. Investigations were commenced two months ago by Mr. F. J. Warth, agricultural chemist, Burma, and will be continued by his successor, Mr. Charlton. Mr. Warth, who has been transferred to India as Imperial agricultural chemist, will also continue to interest himself in the investigation. Among results already obtained by Mr. Warth are the selection of less poisonous strains and the discovery from preliminary experiments that even a bean perfectly free from poison may develop poison during unfavourable storage. Older selections from Mandalay beans have been discarded in favour of better material from Monywa. Preliminary experiments as regards effects of storage are being continued, as the point requires to be substantiated. The suggestion of sickness resulting from Burma beans used in Brandenburg may have some relation to the development of hydrocyanic acid during storage. Experiments to test the possibility of destroying seed ferment will be pursued.

To INCREASE SUGAR SUPPLY.—Efforts are being made to induce Nottinghamshire and Lincolnshire farmers to cultivate sugar-beet, and for this purpose seed from seed-producing stations in France and Holland has been imported.

Dentists Act Amendment.

M.P.s' Meeting.

At the House of Commons, on October 26, a largely attended meeting of members of Parliament was held for the purpose of considering the report of the Departmental Committee on the Dentists Act. Mr. P. Wilson Raffan presided. Speeches explanatory of the findings and the recommendations of the Departmental Committee were made by Mr. F. D. Acland, M.P., chairman of the Committee, and Sir Francis Lowe, who served as a member of the Committee. Mr. Percy Robinson, solicitor to the Incorporated Dental Society, who was also present, pointed out the necessity for immediate legislation to secure an efficient public dental service and put a stop to the quackery that now existed. Discussion took place in which Sir John Butcher, Mr. Seddon, and Mr. Renwick joined. Captain Elliott moved a resolution expressing approval of legislation on the lines of the report of the Departmental Committee, and asking Mr. Bonar Law to receive a deputation on the subject. The resolution further asked that legislation should be introduced during the present session of Parliament, and pressed through if it is proved to be non-contentious. This was seconded by Mr. F. Briant and carried unanimously.

On October 27 Mr. P. W. Raffan introduced a deputation to Dr. Addison in regard to the Dentists Act. The Minister of Health promised to bring in legislation on the lines of the recommendations of the report of the Departmental Committee during the present Session of Parliament.

Chemists' Deputation.

We mentioned recently that a deputation from the Council of the Chemists' Dental Society had interviewed a representative of the Ministry of Health regarding the proposal in the Dentists Act Amendment Bill to penalise chemists carrying on a dental business. The President of the Chemists' Dental Society, Mr. J. W. Roberts, spoke as follows :

The object of this deputation is, in the first place, to inquire whether or no the Clause No. 206 in the Recommendations of the Departmental Committee on the Dentists Act is to be embodied in the proposed Dental Bill. This clause states that chemists are to be debarred from carrying on concurrently the practice of pharmacy and dentistry after the lapse of five years. The Departmental Committee was appointed to inquire into the extent and gravity of the evils of dental practice by persons not qualified under the Dentists Act, and practically everyone was exonerated except the dental chemist. We must say at once that we are not here to ask for the practice of dentistry for future generations of chemists, and are quite agreed as to the necessity for a close Act with future prohibition of practice, but only wish to point out the injustice of penalising us by making us give up part of our means of making a living. Before you pronounce a penalty you ought to let us know the crime, or at any rate tell us what harm you expect is going to be done after five years if chemists continue to carry on as they are doing now. As far as we know, nothing has been proved against us, although chemists have been practising dentistry since long before 1878. Clause 206 says only "that it is not desirable." Might we ask "in whose interest"? The qualified dentists repudiate the authorship of this clause, and look upon dental chemists as being on a much higher plane than the average unqualified man. The medical profession do not object, as we invariably receive considerable support from our local medical men, who prefer to send their poorer patients to us than let them go to men who have passed no examination whatever. The public appreciate us, otherwise we should not "carry on." Who is it, then, who wants to steal a part of a man's living away, and why? It is conceded at once that there are cases where the business is substantial enough to be cut into two, and whichever half is retained will benefit by the extra attention possible, but others are not so fortunately situated. In the majority of cases the pharmacy and dental surgery are built round each

other, and the one is bound to fall if the other is taken away. To go into details, many customers who call in for something to cure toothache are, after examination, advised to have the tooth filled, or, if it is too far gone, advised to have it extracted. Also many who call to have their teeth attended to are sent away with tooth-brushes, dentifrices, etc., and free advice as to the importance of mouth cleanliness. You might say that if there is not sufficient of the one only to enable a man to earn his living in that district, he ought to move to where there is more scope; but this is a very difficult matter to anyone established for a number of years in one place.

The report lays great stress on vested interests, and Clause 201 states that existing rights should be preserved; therefore Clause 206 is quite incompatible with the Committee's own findings. Also, reading the clause closely, the Committee was evidently uncertain, as it agreed that it may be desirable to practise the two professions if there is a public advantage. We maintain that there is a decided public advantage. Dental chemists have built up practices and have helped to make up for the insufficient number of dental practitioners, and in many cases have acquired considerable skill and perfected themselves through study and practice in the art of dentistry and have proved their efficiency by obtaining the good-will of the public. Every one of the members of the Chemists' Dental Society has qualified as a pharmacist, and at present the members are in lawful, legal, and *bona-fide* practice in the two professions. We have invested our money and spent a good many years of our lives, and the suggestion of taking away part of our means of livelihood is a very serious attack upon us, and would be a great injustice. It is quite obvious that unless we are given some other reason we can only think that this clause is promoted in the interests of competitors who are jealous of the fact that the public comes to the chemists instead of going elsewhere, which is really an unsolicited testimonial to the fact that the carrying on of our joint professions is a public advantage. It is a recognised advantage for a qualified dentist to also take a medical diploma in addition to his dental diploma. Why, then, is it a disadvantage to have a chemist's qualification, and, if a man has qualified as a chemist, why is he to be prevented from having a chemist's business and a dental practice? Is there to be a new standard of ethics set up in connection with dentistry? Is it to be *infra dig.* to own a pharmacy? Is it to be put down as unprofessional behaviour? A medical man may own a pharmacy, and hundreds do so, especially in Scotland. In these days, when some of our best aristocracy are becoming more and more associated with trade and there is hardly a titled person in the country who is not connected with some limited liability concern, surely it is absolutely ridiculous to debar a chemist who practises dentistry from having a pharmacy if he thinks it necessary to assist him to earn his living. It would no doubt be possible to keep a pharmacy as a limited liability company and evade this clause if you put it in, but in that case why put it in? We maintain that in no way do our rights infringe upon the legitimate rights of other practitioners; therefore the total elimination of this prohibition can do no harm to anyone, but it would enable us to give the Bill our best support, and we should unreservedly withdraw our opposition.

Mr. Benson Harries also spoke, followed by Mr. F. R. Sutcliffe (Buxton), Mr. J. Y. Fairweather (Sydenham), and the hon. solicitor, Mr. Russell.

Mr. Brocks, for the Ministry of Health, acknowledged the justice of the claim put forward by the deputation, and said that the representations would have every consideration.

"So bad are the teeth of our countrymen that it would require an army of some thirty or forty thousand dental surgeons to cope with them. Nine-tenths of the dental disease among us is preventable. . . . As things are, however, the number of qualified dentists is wholly inadequate."—*Medical Press.*

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

BEE CANDY.

THE restriction on the sale of bee candy was referred to in the House of Commons on October 23, when the Minister of Food stated that the permit system may be removed soon.

THE SALE OF CLINICAL THERMOMETERS.

Among the matters dealt with in the Ministry of Health (Miscellaneous Provisions) Bill which is before the House of Commons is the following clause relating to the sale of clinical thermometers :

12. (1) No person shall sell, offer for sale, supply or deliver any clinical thermometer unless the thermometer has been tested, approved, and marked in accordance with regulations made under this section by the Minister;

Provided that this section shall not, unless the Minister by order directs to the contrary, apply to an offer to sell a clinical thermometer for export from the United Kingdom, or to the sale, supply, or delivery of a clinical thermometer if the thermometer is intended to be and is thereafter exported from the United Kingdom.

(2) If any person acts in contravention of this section he shall be liable on summary conviction in respect of each offence to a fine not exceeding ten pounds.

PETROL SUBSTITUTE.

Mr. C. Jesson, M.P., asked the Chancellor of the Exchequer whether natalite, a motor fuel introduced into South Africa during the war and still being used in that country, could be imported into this country with the same denaturant that the South African Government considers satisfactory.

The Chancellor of the Exchequer replied that an alcoholic mixture called natalite has been in use in South Africa as a motor fuel, but he has no information as to its price in relation to that of petrol. Natalite, irrespective of the denaturant used, may only be imported into this country subject to payment of duty, as in the case of other spirit mixtures; but plain spirits may be imported for use duty-free as a source of power, provided the differential duty has been paid and on condition that after importation the spirits are denatured as power methylated spirits, in a manner approved by the Commissioners of Customs and Excise. The question of the denaturants to be prescribed for this description of methylated spirits is under consideration.

HEALTH INSURANCE STAFFS.

Mr. Ormsby-Gore asked the Minister of Health on October 27 whether, in connection with the discontinuance of sanatorium benefit at the end of the current calendar year, he will either provide for the compulsory transfer of members of staffs of Insurance Committees engaged on sanatorium benefit work to the new authority or provide adequate compensation for all officers displaced by reason of the discontinuance of sanatorium benefit on the same lines as other public servants whose duties are abolished by statute.

Dr. Addison replied : The sanatorium benefit work of Insurance Committees is only a part of the work of those bodies, and is, to a large extent, carried on by officers and servants of the committees who have other duties. I am sending my hon. friend an extract from a circular letter which was issued in June last to Insurance Committees in regard to staffing arrangements in connection with the discontinuance of sanatorium benefit at the end of the year. I have not received representations from any quarter that there is need for provisions being made on the lines indicated in the question.

ANTHRAX has been traced (according to a communication from the Ministry of Health) to a Japanese shaving-brush purchased at Southend-on-Sea. All the shaving-brushes of Japanese origin in the possession of tradesmen in the borough have, it is understood, been returned to their wholesalers.

Pharmaceutical Students' Prize Scheme.

THE Pharmaceutical Society of Great Britain organised a scheme of study for ex-Service men who were waiting for vacancies in the Schools of Pharmacy to which they had been allotted under the Government plan of assisting those whose careers had been interrupted by military service. Books were given to the students by the Society, a preparatory course of study was suggested, and a promise made of prizes to the best students at an examination held for the purpose of testing the progress of the students. The examination was held on October 14, and lasted all day, the subjects being (1) chemistry (three-hours' paper), (2) botany (one and a-half hour), and (3) prescription Latin and essay (one and a-half hour). All the questions on the following papers were to be attempted :

Chemistry and Physics.

1. It is usually stated that there are "two fixed points" on a thermometer. Explain what this means and how these two points are determined.

2. Comment on the following statements which are not necessarily correct:

(a) Water is heavier than air and therefore moist air is heavier than dry air.

(b) Water always boils at the same temperature.

(c) All hard waters can be softened by boiling.

3. Compare and contrast as fully as you can the flame of a candle with that of a Bunsen burner.

4. State all you know of the preparation and properties of carbon monoxide and carbon dioxide.

5. 49.7 gms. of a mixture of potassium carbonate (K_2CO_3) and potassium chloride, containing 18 per cent. of the latter compound, were dissolved in water and the solution diluted to one litre. How many grams of hydrochloric acid (HCl) would be required to neutralise 650 c.c. of the solution?

$$\begin{array}{l} K=39, C=12, O=16, \\ H=1, Cl=35.5. \end{array}$$

Botany.

1. Mention the most important points of difference between the root and shoot of an ordinary plant.

What is the purpose of the different parts of a root?

2. Illustrate by means of drawings the difference between axile, parietal, and free central placentations, mentioning any examples you know.

3. How would you show that light affects the direction of growth of a shoot? In what other ways is light of importance to plants?

4. Briefly describe any four of the following: Starch-grains, parenchyma, indefinite inflorescence, drupe, irregular flower, a leaf-bud.

1. Translate into unabbreviated Latin:

Prescription Latin and Essay.

R. Sod. bicarb. 3ii.
Pulv. rad. rhei 9i.
Sod. nitrit. gr. 8.
Bismuth. carb. 3iii.
Spt. ammon. arom. 5ss.
Inf. gent. co. ad 38.

M. ft. mist. sig. coch. mag. bis terve die ex aq. Cyath. vin. sumend.

2. Decline the following words: Cochleare—Duo—Pulvis—Spiritus—Gramum—Dies.

3. Write a concise essay, including what you know of the botanical source, habitat, collection, preparation for the market, chief constituents and pharmacopœial uses, on *one only* of the two following drugs:

(a) Digitalis leaves; or
(b) Nux vomica.

4. Describe two varieties of opium and state the proportion of morphine in each.

FRANCE AND GERMAN DYES.—The "Comptoir d'approvisionnement des Teintureries du Nord de la France" has been formed at Roubaix with the object of importing and distributing German dyes outside the compass of the Versailles Treaty.

Births.

HENDERSON.—At 7 St. Cuthbert Street, Kirkcudbright, on October 17, the wife of A. Kello Henderson, chemist and druggist, of a son.

STEVENSON.—At 43 Oldfield Lane, Leeds, on October 24, the wife of Herbert Stevenson, drug-store proprietor, of a daughter.

Marriage.

TOWNLEY—BRAIDWOOD.—At the Townhead Parish Church, Glasgow, on October 26, by the Rev. R. L. Hunter, Thomas Thwaites Townley, chemist and druggist, eldest son of Mr. T. W. Townley, Ph.C., Keswick, to Margaret, eldest daughter of the late Mr. Peter Braidwood, Glasgow.

Deaths.

EDISBURY.—At his residence, Spring Road, Rhosddu, Wrexham, on October 20, Mr. James Fisher Edisbury, J.P., chemist and druggist, aged eighty-three. Mr. Edisbury succeeded the late Mr. John Beale at Wrexham, and carried on the business until his retirement some years since. He also founded J. F. Edisbury & Co., Ltd., mineral-water manufacturers. Mr. Edisbury attained office as a Freemason, and was at one time a member of the Wrexham town council. He is survived by a family.

GILMOUR.—At Joppa, Midlothian, on October 23, Janet Balmer, widow of the late Mr. William Gilmour, J.P., Ph.C., F.R.S.E., aged seventy-five.

HUNT.—In a nursing home, recently, Mr. George Hunt, chemist and druggist, late of 72 Marmion Road, Southsea. Mr. Hunt had been in business in Southsea for many years, and was a useful member of the local committee at the Portsmouth meeting of the British Pharmaceutical Conference in 1911. During his long illness much sympathy was extended to him by his colleagues in pharmacy, and at a recent meeting of the Portsmouth Pharmacists' Association a vote of condolence with his family was passed.

ORR.—At Grafton Villas, Armagh, on October 21, suddenly, Mr. John Orr, R.D. (W. & J. Orr, 23 Upper English Street). Mr. Orr served his apprenticeship to Mr. Samuel Gibson, King Street, Belfast, and was afterwards with the late Mr. James Hillock, Armagh. He passed the Registered Druggist examination in 1891. Mr. Orr had been in business in Armagh for many years and was highly respected.

WILSON.—At 20 Chapel Street, Islington, London, N. 1, recently, Mr. George McLanachan Wilson, chemist and druggist, aged forty-nine.

Mr. Wilson acquired his business in Islington during the war. Prior to that time he had considerable experience in management in London and the provinces. He was a well-known member of the East London Pharmacists' Bowling Club, and in 1916 won a silver challenge cup given by Mr. Hatfield and Mr. Wood. The ceremony of presentation was performed by Mr. A. R. Keith, and formed a welcome episode in a dark and strenuous year. Mr. Wilson's devotion to his favourite recreation did not suffice to maintain him in health, and he has passed away in middle life, to the great regret of all who knew him.



MR. G. M. WILSON.

PRETTY.—At 52 Lillie Road, London, S.W. 6, on October 12, Mr. Charles Pretty, Ph.C. and dentist, aged seventy-one.

ROBINSON.—Recently, Mr. Frederick Robinson, chemist and druggist, 129 Alexandra Road, Moss Side, Manchester. Mr. Robinson qualified in 1890. He was a member of the Manchester Pharmaceutical Association of many years' standing, and served on the local committee formed in connection with the British Pharmaceutical Conference held at Manchester in 1907. His death at a comparatively early age is deeply regretted by his colleagues.

Personalities.

MR. P. R. HILL, Ph.C., Gorleston, was, on October 25, re-elected to the Great Yarmouth town council.

MR. A. GILLIGAN, D.Sc., F.G.S., has been appointed to a readership in petrology at Leeds University.

MR. W. H. KEMP, chemist and druggist, Fenton, Stoke-on-Trent, is contesting a ward at the forthcoming municipal election.

MR. JOHN NICHOLAS, drug-store proprietor, High Street, Llandover, has been nominated as Mayor of the borough for the ensuing year.

MR. A. THORNTON JONES, pharmacist, has joined the staff of the United Chemists' Association, Ltd., Cheltenham, as a representative.

MR. D. T. EVANS, chemist and druggist, Margate, has been appointed to the local judicial authority for the borough under the Lunacy Acts.

MR. W. H. GRIMSHAW, chemist and druggist, Blackburn, was appointed Vice-President of the local curling club at the annual meeting on October 26.

MR. NOAH T. LEWIS, chemist and druggist, Pontypridd, has presented the sum of 25*l.* to a fund which is being raised to provide a public park in the neighbourhood.

MR. ROBERT FROTHINGHAM, jun., has been appointed secretary of the American Chamber of Commerce in London, in succession to Mr. George P. Toby, resigned.

BRO. J. F. DUNSTAN, chemist and druggist, dispenser to the Southwark (London) Guardians, was installed W.M. of the Borough Polytechnic Lodge, No. 3540, on October 23.

SIR JESSE Boot was, on October 25, presented with the honorary freedom of Nottingham, in recognition of his gifts to the city (*C. & D.*, September 11, p. 58). The certificate was enclosed in a silver casket.

MR. H. S. RICHARDSON, chemist and druggist, who has been manager at the Hull branch of Boots, Ltd., for some time past, has been appointed a district manager to the company, with headquarters at Boar Lane, Leeds.

MR. C. W. DARE, of S. L. Jones & Co., Inc., importers and exporters, 40 Wall Street, New York, San Francisco, etc., is now on a business visit to Europe. Letters for him may be addressed care of THE CHEMIST AND DRUGGIST.

MR. FREDERICK A. WILLCOCK, chemist and druggist, Victoria Street, Wolverhampton, has been re-elected to the town council without a contest. Another Wolverhampton pharmacist, Mr. J. H. Coleman, chemist and druggist, is seeking re-election at the forthcoming municipal election.

MR. H. M. LLOYD, President of the South Wales and Monmouthshire Pharmacists' Local Associations Federation, is the subject of an appreciative article in a recent number of the "South Wales Daily News." Mr. Lloyd is seeking re-election to the Merthyr Tidfil borough council, on which he has previously served for several years.

A SCHEME for a central buying store where London hospitals can buy instruments and provisions cheaply is likely, says the "Daily Mail," to be started soon.

Trade Notes.

ABSORBENT COTTON WOOL.—A special offer is made by Robert Bailey & Son, Ltd., of parcels of absorbent cotton wool.

CHRISTMAS PERFUMERY.—W. H. Calnan & Co., 30-32 Ludgate Hill, London, E.C.4, have ready a Christmas perfume list for which applications are invited.

HOWARDS' ASPIRIN TABLETS.—A liberal bonus offer of Howards' aspirin tablets is made in the advertisement in this issue of Howards & Sons, Ltd., Ilford, London.

SOUTHALL'S SANITARY TOWELS.—A notice of a price reduction of Southall's sanitary towels is given in the advertisement of Southall Bros. & Barclay, Ltd., Birmingham.

SACCHARIN TABLETS.—“When the sugar ration goes down the demand for saccharin tablets goes up,” state C. R. Harker, Stagg & Morgan, Ltd., in their advertisement in this issue.

WINTER PHOTOGRAPHIC TRADE can be cultivated by supplying photographic Christmas and New Year cards. Lumex, Ltd., Dame Lane, Dublin, will send particulars of their service in this line.

“EVER-READY” ELECTRIC GOODS.—The Ever Ready Co. (Great Britain), Ltd., Hercules Place, Holloway, London, N.7, have issued a new catalogue of dry cells, accumulators, and pocket electric lamps, which will be forwarded to chemists who send a postcard request for a copy.

P., D. & Co.’s LIST.—Parke, Davis & Co., Beak Street, London, W.1, have issued an interim price-list which, used in conjunction with the emergency edition of the firm’s catalogue issued in 1916, provides an up-to-date guide to the packages and prices of the P., D. & Co. products.

ANTHRAX-FREE SHAVING-BRUSHES.—The germicide used in the sterilisation of bristle for the “Culmak” shaving-brushes (*C. & D.*, October 23, p. 60) is known as “Bacterol,” and is prepared by Bacterol, Ltd., 19 Brookside Road, Highgate, London, N.19. There are seven types of “Bacterol,” and these effectively cover the whole field of antisepsis and disinfection. “Bacterol” has the advantage of being non-poisonous and non-corrosive, at the same time being pleasant to use.

REAL SUSSEX VIOLET SOAP.—Arthur H. Cox & Co., Ltd., manufacturing chemists, Brighton, have now started the manufacture of toilet-soaps. The company sends us a sample of the first of what looks like being a long series of special toilet-soaps—Real Sussex Violet Soap. The soap is packed in boxes of three tablets, richly decorated in violet, the tablets being separately wrapped and labelled. The perfume of the soap is very distinct and pleasantly reminiscent of the Sussex hedgerows. Show-cards are being supplied to chemists who purchase the soap.

NIP-ETS is the name given to small black pellets of liquorice, aniseed, and mint, which are advertised in the *C. & D.* this week by Thos. Guest & Co., Ltd., Carruthers Street, Ancoats, Manchester. Nip-ets, which are packed in attractively labelled flat tins suitable for the pocket, are pleasantly flavoured and leave a warm feeling in the mouth and throat. The particulars regarding sizes of packages and the prices are given in the company’s advertisement. We are asked to call attention to the show-card for iodised throat tablets, which was illustrated last week. The “Sure Shield” series to which these specialities belong are appealing to the popular fancy wherever they have been shown.

NEW TOILET PREPARATIONS.—We referred recently to the Perivale toilet preparations which are being placed on the market by Langham Brothers, Ltd., Perivale, London, W.13 (*C. & D.*, October 16, p. 58), and have since had an opportunity of examining the various articles. We are impressed with the good-class style of

the packings, liquid preparations being sent out in clear-glass bottles, and the labels used are either in the form of small gold seals or shaped to fit a panel in the bottle or box. The Perivale mouth-wash is put up in globular bottles, and as the liquid is a rich red colour the ocular effect is very pleasing. There are several forms of brilliantine, including a solid brilliantine in a nice, pale-green, moulded box. Crème-de-mente toothpaste and vanishing cream are other Perivale preparations. These are packed in the same high-class style that characterises the series. We have also received particulars of the new company which manufactures these articles. The factory is one that was built in the western suburb for use by the Government during the war, thus ensuring a modern building with plenty of space for development. The directors and staff are ex-Service men, so that the whole movement gives healthy employment for a class which all desire should succeed in civil life. Chemists should send for particulars of the articles to which we have referred.

Business Changes.

MR. C. E. WILLIAMS, chemist and druggist, has acquired the business of C. & D. A. Briggs, chemists, Carshalton, Surrey.

THE retail business of Johnson & Swan, 542 High Road, Leytonstone, London, N.E., has been disposed of to Mr. Joseph Liff, chemist and druggist.

BRAY, LTD., chemists, Milton, Portsmouth, have taken over the business of the late Mr. George Hunt, chemist and druggist, Marmion Road, Southsea.

MR. J. S. SUMNER, chemist and druggist, has purchased the business of Mr. Philip Holmes, chemist and druggist, 327 Brighton Road, South Croydon.

SIEMENS BROTHERS & CO., LTD., and Siemens Brothers Dynamo Works, Ltd., are removing their head offices to Caxton House, Westminster, London, S.W.1.

MR. HAROLD V. HIBBETT, chemist and druggist, who for the last five years has been manager of the retail department of Reade Bros. & Co., Ltd., chemists, Wolverhampton, has opened the Homend Pharmacy, Ledbury.

CHILVERS, JOHNSON & CO., manufacturing chemists, have removed to Grove Works, 3 Kewfoot Road, Richmond, Surrey. Mr. W. W. Norman Bradon has joined the firm and amalgamated with it the business of the Chosan Co., and the manufacture of Moovit.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

H/2010. Rad. pimpinella	E/2810. Dumontpallier
M/2810. Hall's hygienic treat-	pes- series.
ment.	E/2810. Ellis Lord's marking ink.
H/2710. Cantassium	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.4

Bottle washing and rinsing machines, R/2610	Pastex cold-water dyes, C/2210
Camphlyene cream, A/2010	Pepsodent tooth paste, T/2010
Crembas, T/2510	Phenyle, B/2610
Eau de Cologne “1812,” R/2610	Ratmousine, N/2010
Edwards’ electric lamp foot-warmer, H/2210	Smedley’s chilli paste, B/1910
	Tenaline, S/2110
	Wood charcoal, L/2510

AN ASPIRANT TO PHARMACY.—One of two cows which were being driven lately along High Street, Garstang, walked into the shop of Mr. J. Thomas, chemist and druggist. The intruder was ejected without any damage being done.

Observations and Reflections.

By Xrayser II.

In the Matter of Reciprocity

between the Pharmaceutical Societies of Great Britain and Ireland respectively, our Society shows even worse than I had supposed, and it is most regrettable, especially at this time, when on every ground it is desirable to strengthen rather than weaken the bond between the two countries, that our old selfish and ungenerous attitude should be maintained. In the preamble of the Irish Bill of 1875 the desirability of reciprocity was insisted upon, and the Bill was intended to provide for it, but this, and indeed the whole Bill, was strongly opposed by our Society, as was also the amending Bill of 1890. The root of this opposition was that precious word "pharmaceutical," the use of which by any body or person but itself and its members was bitterly resented by our Society, and the "flooding" of the country with "pharmaceutical chemists of an inferior stamp" was protested against with a vigour never shown by the Society except in defence of its own position. I am sorry to say that the C. & D. of that day shared this view, but it has outgrown such childishness, whereas the Society as represented by its Council stands where it did. Whatever excuse there may have been for it in 1875 there is none now.

Your Exposure

of the Proprietary Medicines Bill is complete; nothing need be, or indeed can be, added to it. All that remains to be done is to press it home upon those with whom the fate of the Bill rests. What is being done to this end? The oracles are dumb: the Bill has not been so much as mentioned in the editorial columns of our official journal for these last two weeks. Is the Council "standing aloof in giant ignorance," or are we being deliberately kept in the dark until it is too late to question whatever it may choose to do for us? We ought, at any rate, to take this official silence as a challenge to independent action, especially since the glimpse we got of the Council's mind at the last monthly meeting showed only a disposition to tinker at the Bill with futile amendments. The Bill cannot be satisfactorily amended; every member of the House of Commons ought to be bombarded with demands for its withdrawal.

The Best Intentions

are often defeated by a tactless phrase: "the malice of one luckless word" has been known to undo the effect of much otherwise persuasive talk, and those who desire to influence their fellows cannot be too careful how they address them. The President of a local association (with which, by the way, I have no connection) has recently given considerable offence to some of its members by an evidently well-meant attempt to increase the attendance at the monthly meetings. A copy of the circular-letter he addressed to every member with this object has been sent to me, and I confess I can see nothing in it that need have been resented by the most sensitive person. The President expresses regret that he knows so little of many of the members, his wish to "meet" them at the monthly meetings, and his strong opinion that if they do not respond to his wish the loss will be theirs. This might possibly have been better put; "see" would have been a better word than "meet," for it would have made plainer the fact that the "loss" referred to was not that of personal acquaintance with the President, but of intercourse among the members themselves. That this was meant is evident from the context, in which the advantages of these meetings from a business point of view are dwelt upon. The whole affair is trivial, but it is sadly significant. As the Yankee "captain" said to Martin Chuzzlewit, "We air a great people, but our backs is easy riz."

The Letters

of Mr. Charles Hamus and "Scar Gill" in your issue of October 16 neutralise one another with regard to the question of salaries in pharmacy, and the fact is the more significant because the reaction set up between them is purely accidental, since neither writer can have foreseen their juxtaposition in your columns. It is perfectly clear that while the conditions of retail pharmacy are such as Mr. Hamus describes, the salaries for which "Scar Gill" would contend are impossible. This is the "practical point of view" from which ultimately the question must be decided, though it is not exactly what "Scar Gill" means by that phrase. I am no more a believer in "sentiment" than he is, but this is not a matter of sentiment; it is a matter of fact. The great majority of chemists in business who need assistants simply cannot pay such wages as are now being demanded. I see that a German chemical firm has "closed down" on this very ground. We, too, shall have to restrict our business to what we can manage single-handed if these extravagant claims are persisted in. I am glad to see that your contributor "Non-Proprietor Pharmacist" deprecates the demands of the Drug Union.

Your Correspondent

"An Apothecary," deserves our thanks for his generous support of our claim to dispense all medical prescriptions, but he falls into one small error the rectification of which adds force to our claim. Neither pharmaceutical chemists nor chemists and druggists "came into existence" in consequence of the passing of the Pharmacy Acts. The latter were in existence more than a century earlier than the first of those Acts, and as early as 1802 had formed themselves into an association, one object of which was the education of its members. The Pharmaceutical Society was formed ten years before the Act of 1852, and its zeal for education (which even that Act did not make compulsory on chemists) was still greater. The united society which sprang up later had the same object in view, which both bodies pursued for years without any statutory protection whatever. We were then, as regards legal recognition, almost exactly in the position of the apothecaries before the passing of their Act, but with a better right to it than they. That we have not since then been so successful as they in improving our position is not due to our laxity as regards education, but to the disabilities under which we labour, and which your correspondent recognises. We have, as he says, been forced into "side-lines" because the doctors only allow us to dispense what they cannot profitably dispense themselves. They treated their own dispensaries exactly in the same way.

Two Centuries Ago,

and kept down the apothecaries as long as they could, exactly as they now do us, though with better reason, since the apothecaries encroached much more upon their province than we have ever done. The apothecaries were perhaps wiser in their generation than we have been. They, too, were to some extent driven into side-lines, but they never allowed their proper craft to be submerged in general retail business. They kept their flag flying at the masthead, and ultimately came into the haven where they would be under the Acts of 1815 and 1874. It is possible that a bolder attitude on our part might have served us better than our meeker policy has done. It is true we had more to fight against, for the apothecaries, when their own position was secured, joined the higher ranks of the profession in opposition to us, their former allies. It is something to find one of them now ranged upon our side.

THE purchase of a block of property by Boots, Ltd., near King George Hospital, Stamford Street, London, S.E., was mentioned at a recent meeting of the South London Catholic League.

A TABLET has been placed in the chapel of the Middlesex Hospital, London, W., in memory of Mr. R. F. Mann, radiographer, who gave his life as an x-ray operator during the war.

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MEMO. NO. 24

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Editorial Articles.

The Test Case.

JUDGMENT was given on Wednesday in the test case of Jenkin v. The Pharmaceutical Society, which was brought to obtain the opinion of the court as to the powers of the Society under the Charter of Incorporation to undertake trade matters on behalf of its members. In another part of this issue we give the Statement of Claim put in by the plaintiff and the judgment delivered by Justice Peterson, which refers specifically to the trade matters mentioned under nine headings in Clause 7 of the claim. Briefly, the judge decided that the Society would be acting outside its Charter if it undertook trade matters. A good many of the claims mentioned are fantastic, as the Society never had any intention of acting upon them, the real point at issue being whether the Society, composed as it is of masters and men, can take part in the formation of an Industrial Council for the drug-trade. The Society cannot do this, the judge held, as this would be acting as a trade union, which is incompatible with the grant of a Charter. Some of the items in the claim were characterised as innocuous; for example, the claim to maintain an employment register and a register of unsatisfactory employees. The judgment confirms counsel's opinion which was given many years ago that the Society cannot deal with trade matters. When the Scottish Federation raised the question afresh the Society was too deeply committed to its trade policy to be able to admit the Federation's contention that it had no powers under the Charter to deal with trade matters. Some curious developments took place during the hearing of the case last week, as it transpired that the members of the Society contemplated in the Charter should consist only of chemists in business. The fourth object of the Society, "to protect those who carry on the business of a chemist and druggist," was what the judge and counsel had in mind when they concluded that the function of protection could only be extended to chemists in business. Sir Albion Richardson, who opened the case for the plaintiff, was very clear in emphasising that any action taken by the Society should be for the protection of all its members, admitting no difference between "practitioners" and "protected." He made this point over and over again, but it was finally thrown over by his senior, Mr. J. B. Matthews, who concluded the case. Mr. Justice Peterson asked whether he was going to deal with the term, "Carry on the business," and the following dialogue took place:

Mr. Matthews: There are several cases dealing with the term "Carry on business," but they are almost all on one side. The only case in favour of the assistant is, I submit, bad law.

Mr. Justice Peterson: The materiality in this case is to protect those who carry on the business.

Mr. Matthews: That must be limited to those who carry on their own account.

Mr. Justice Peterson: Employers?

Mr. Matthews: Not necessarily, my lord; they need not employ "so long as they own the business."

Mr. Justice Peterson: Quite!

The issue was thus settled by common consent. The Charter which was granted in 1843 was for a class carrying on business only, and the Act of 1852 instituted an assistants' qualification, the Council providing educational facilities. This assistantship became the qualification of a chemist and druggist in 1868, but chemists and druggists did not reach any control until

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1898, when they were, at last, admitted to full membership. During the whole of this time there was no change in the words of the Charter, and yet the element "Chemist and Druggist" continued to grow beyond any possible scope comprised in the term "Open Shop." It is thus clearly seen that the fourfold functions apply only to owners of businesses, and those designated "practitioners" partake of education and benevolence, but not of protection. Whether these rights "to protect" are confined to the 1843 conception or are those conceived in 1920 is not now a material point to 9,000 qualified chemists who are not actually owners of a business. It may be said all this was known before and it is merely a restatement, but those who have repeatedly tried to bring home these facts to the pharmaceutical mind have generally been treated as wreckers, and sometimes worse. The position now is that which the pioneers in 1912-13 first laid bare—that an *ad hoc* body for trade-protection purposes, apart from the Society, was the true solution; by such means, if rightly conceived, there would be no splitting of our ranks—as now seems inevitable unless wise statesmanship supervenes. Mr. Slesser, who was probably the most logical of the counsel, said: "In any event, this case is wrongly conceived." It had a far wider meaning than even he contemplated. It has been frequently contended, and the proceedings in court justify the contention, that this test case would accentuate our differences rather than heal them. The mere settlement of the term "protect" is a heavy price to pay for the knowledge, driven ruthlessly home, that once a man is registered his interest in his Society is merely educational or benevolent until he becomes the owner of a shop. It goes further, and one immediately thinks of what is the correct answer to the claim for recognition of the pharmaceutical qualification in the Navy, Army, and the public services generally. A member could reasonably move for an injunction to prevent expenditure of money on this score. Fortunately, no one is likely to move in this direction, but the action taken by the Council only points to the true solution of our difficulties. Another interesting point was brought to light by Mr. Matthews. It was not generally known that after the by-law meeting at the Memorial Hall in 1919 the protesting committee foresaw something of what ultimately transpired, and to their legal adviser they put the question of the possibility of an injunction. The answer was in the negative, but it would appear that there was a *prima-facie* case to restrain the Council after that fiasco in the Memorial Hall; but after August all rights were forfeit, the domestic forum having solved the question. The position of the qualified pharmacist has become one of extreme urgency. The unemployment is severe now, and with the prospect of another 1,000 coming in during the next twelve months it would appear as though the qualified men were likely to be crushed between the upper and nether millstone. It is common knowledge that nearly 250 came into the trade whose only experience was that of the Army, and the numbers of women who came in during the war have remained, so that economic necessity would appear to be likely to compel some form of organisation to save qualified assistants from exploitation. The stricter enforcement of the Pharmacy Acts would be an assistants' demand, but whether it protects those who carry on the business is a point for the Council of the Society. In any case, one thing remains clear in this conflict of interests—a conference should be called of all concerned to face the issue, so that the Pharmaceutical Society shall shed its trade desires and unite all pharmacists in one common membership.

The Proprietary Medicines Bill.

DURING the week further movements have been made in the direction of suggesting amendments to the Proprietary Medicines Bill. Opinion, which has been hardening for some weeks, has resulted in a stand being taken against the confiscation of trade secrets which would result if the deposit of formulas with the Ministry of Health was insisted upon. The Government hold that this is a vital issue, but the Chemists' Defence Association, the Association of Manufacturers of British Proprietaries, and the Proprietary Articles Section of the London Chamber of Commerce have come to the conclusion that the Bill must be amended in this respect. We understand that amendments have been submitted to the Ministry of Health which provide only for the declaration of the presence of poisons within the meaning of the Poisons and Pharmacy Act and of any other drugs which shall be enumerated in a schedule of dangerous drugs. Other amendments that have been suggested from influential quarters include the deletion of the stupid provision that the proprietor of a medicine may not offer to return money paid if cure or relief does not take place. It has also been suggested that the fee for registration shall be 5s., that amount to be mentioned in the Act and not subject to the whim of the medical men at the Ministry of Health. It is considered necessary also to make further provision for the punishment of persons who publish information supplied to the Registrar of Proprietary Medicines, however acquired. Exported medicines should, it is suggested, be exempted from the requirements of the Act, and the definition of "proprietary medicine" be altered so that it cannot infringe chemists' rights in the sale of "known, admitted, and approved" remedies. There are still objectionable features in the Bill, these referring mainly to provisions which are not founded on the recommendations of the Select Committee on Patent Medicines but have been slipped in by the Ministry of Health in the interests of the medical profession. These were referred to last week in our analysis of the Bill. Meanwhile some chemists are writing to members of the House of Commons asking them to oppose the Bill. This action is perhaps somewhat premature, but it may serve as a warning of what is coming to the Commons from the Upper House. If the Ministry of Health still maintains its haughty attitude to those who suggest reasonable amendments it may be necessary to carry on an active campaign in the House of Commons.

Japanese Caustic Soda.

THE recent importation to London of several parcels of caustic soda from Japan, including one of 800 cwt., is somewhat remarkable in view of the fact that prior to the war the British makers of caustic soda supplied 90 per cent. of the Japanese requirements. The fact that Japan should dump caustic soda on this market clearly shows that, as a result of industrial depression, she has not been able to absorb her large imports from Europe and the United States. Concurrently with this there has been an increased domestic production, so the placing of surplus stocks on this market is easily accounted for. In fact, it is claimed that Japan has sufficient caustic soda on hand to last until the end of 1921. Further light is thrown on this subject from figures published by the Japanese Board of Trade Returns, giving the

imports of caustic soda for the first six months of the past five years. They are as follows:

	Lb.		Lb.
1916	... 10,138,500	1919	... 12,405,000
1917	... 21,076,000	1920	... 42,655,000
1918	... 9,397,000		

It will be seen that the 1920 figures show a surprising increase, and when it is considered that the imports for the last half of 1919 were over 65,000,000 lb. it is apparent that there must be large accumulations on the Japanese market with little hope of a clearance of stock for many months. The imports for the first six months of 1920 no doubt represents the carrying out of orders sent from Japan in 1919, when business was booming, and a conspicuous decline in imports will no doubt characterise the second half of this year. This over-importation by speculative merchants recently caused a slump in Japan, the price falling to 8 yen or less per 100 lb. Considerable losses have followed, and the domestic makers decided in July last to curtail their output by 20 per cent., followed by 50 per cent. in August, and 30 per cent. in September. Although there is an import duty of 70 yen per 100 kin on caustic soda entering Japan, the domestic makers want an *ad valorem* duty of 25 per cent., and have petitioned the Japanese Government with this object in view. It is common knowledge that during the war the United States captured the Japanese market for caustic soda and soda ash from this country, this dating, say, from November 1915, when the export embargo was enforced in Great Britain. The United States even up to 1919 had retained 70 per cent. of the business. The quantities imported into Japan from 1914 to 1919 are as follow :

	Caustic Soda		Soda Ash	
	Lb.	Lb.	Lb.	Lb.
1914	...	30,732,000	73,247,000	
1915	...	24,116,500	68,094,000	
1916	...	21,208,000	85,351,000	
1917	...	48,260,000	98,844,000	
1918	...	16,481,000	125,151,000	
1919	...	80,120,000	119,140,000	

It is interesting to place on record some of the facts resulting in the present unsatisfactory position. Prior to the war Japan only produced about 30 per cent. of her requirements, her output from 1908 to 1914 being as follow :

	Lb.	Yen		Lb.	Yen
1908	... 6,578,000	357,000		1912 ... 9,285,000	430,900
1909	... 8,378,000	407,000		1913 ... 9,635,000	466,000
1910	... 8,077,000	407,000		1914 ... 11,473,000	550,000
1911	... 6,284,000	265,000			

Much of the Japanese production was of low grade, owing to the inferior quality of salt, and, naturally, the superior imported product became popular, as may be seen from the following figures of imports from 1908 to 1914 :

	Lb.	Yen	Price 100 lb.
1908	... 21,022,000	1,121,000	5·33
1909	... 23,939,000	1,399,000	5·47
1910	... 25,673,000	1,377,000	5·36
1911	... 25,228,000	1,261,000	4·96
1912	... 23,739,000	1,188,000	4·82
1913	... 27,024,000	1,315,000	4·96
1914	... 30,738,000	1,416,000	4·61

Prior to the outbreak of war the price in Japan was 5 yen per 100 lb., rising to 11 yen when war was declared. After many fluctuations, it touched its highest point, 35 yen, in September 1918, but when the Armistice was declared the price fell to 23 yen, and during 1919 it further declined to below 10 yen, and it is even less now. The material decline in British business to Japan in

caustic soda during the war is well shown in the following figures of imports from 1914 to 1917 :

	From Britain.	From U.S.A.	Coun- tries	Other Tons	Total Tons
1914	... 12,491	1,063	60	13,614	
1915	... 7,559	2,742	382	10,683	
1916	... 2,055	7,284	56	9,395	
1917	... 269	21,102	8	21,379	

When the United States entered the war exports were restricted, and a considerable decrease followed in 1918. Meanwhile the domestic production in Japan was forging ahead; in 1917 it was 18,000,000 lb. and in 1918 32,000,000 lb., or more than sufficient for the requirements of the country, but, as stated above, there is now a restriction of output, and the production of bleaching-powders is occupying the makers' attention. In the United States the total production in 1914 was 200,000 tons, increasing to 425,000 tons in 1916 and to 495,000 tons in 1917. The British production is an unknown quantity, but as there is plenty available for export it may be assumed that there will be keen competition for business in the world's markets.

Autumn Botany.

By George Roe.

THE floral decoration of the hedgerows and meadows is no longer here to gladden the eye. They are covered with the bright vermillion "hips" of the wild rose, the succulent blackberry, the blue-black sloe, and other fruits all, more or less, in various forms of dehiscence. Campions, scabious, and a few others bid for the last show before winter is upon us. Marsh ragwort and senecios still flower by the stream, also the common hawkweed, germander speedwell, the golden rod, Michaelmas daisy, and St. John's wort can be found in many localities. Of the larger creations, the hazels are dropping their ripe nuts from out leafy caps, and, what few acorns there are, fall to be severely competed for by the jays, jackdaws, and rooks. Even the pampered pheasant will enter the contest, accompanied by the wild duck, and the cattle and pigs of neighbouring farms. The triangular kernels of the beeches are being scattered broadcast under their widespread branches before the leaves adorn the landscape with their glorious hues of carmine and orange. The beauties of autumn consist of the change which takes place in the tints of the foliage of trees and plants and the glowing colour of ripened fruits, which have called forth the lively effusions of the poets of all ages. The goddess Flora, thanks to the refined and rational amusement of floriculture, is, however, able to lengthen her realm beyond the end of summer months for the leisure hours of peace and tranquillity; but the end must come.

"Tis done! dread winter spreads its latest glooms,
And reigns tremendous o'er the conquer'd year.
How dead the vegetable kingdom lies!
How dumb the tuneful! Horror wide extends
His desolate domain. Behold, fond man!
See here thy pictured life: pass some few years
Thy flowering spring, thy summer's ardent strength
And pale concluding winter comes at last,
Thy sober autumn fading into age,
And shuts the scene."

MR. JAMES OLIVER FISON, Stutton Hall, Stutton, Suffolk, chairman of Joseph Fison & Co., Ltd., manufacturing chemists, Ipswich, who died on February 19, left estate of the gross value of £115,298. 15s. 5d., with net personality £6,769. 8s. 1d. He left his shares in Joseph Fison & Co., Ltd., and the Chemical Union, Ltd., as to one-fourth to each of his sons, Frank Guy Clavering Fison and John Reginald Gifford Fison, one-fourth upon trust for his three daughters in equal shares, and one-fourth upon trust for his wife for life, with remainder to his residuary estate.

Associations' Winter Session.

Bath.—On October 22 Dr. White (Parke, Davis & Co.) gave a lecture to the Bath Pharmaceutical Association on *Ductless Glands and Vitamines*. The audience numbered about one hundred and forty. The address was illustrated by lantern slides.

Birkenhead.—The annual meeting of the Birkenhead and Wirral Association of Pharmacists was held on October 20, and, after the adoption of the treasurer's and secretary's reports, office-bearers for the coming session were elected, as follows: *President*, Mr. D. Roger Rowlands; *Treasurer*, Miss Williamson; *Secretary*, Mr. G. F. Lunt. The increased costs of printing, postage, etc., having resulted in a deficit last session, it was decided to raise the annual subscription to 10s.

Bury.—At a meeting held on October 14, it was decided to re-establish the Bury Pharmacists' Association, which had become defunct. Mr. Charnley (in the chair) reported that at a meeting of the Pharmaceutical Committee, held in the offices of the Insurance Committee, it was recommended that for the successful working of the various committees appointed under the National Health Insurance Acts, unity was essential among pharmacists in the borough. It was agreed to reorganise the Association under the original rules passed at the annual general meeting of February 1918, with the addition that for business purely concerning the employers a separate sub-committee should be formed. Mr. Allcock was elected *Chairman*; Mr. Williamson, *Hon. Secretary*; Mr. George, *Treasurer*; and Messrs. Mitchell and Crossdale, jun., *Hon. Auditors*. The vacancies on the Pharmaceutical Committee have been filled, and the following gentlemen now serve: Messrs. Charnley (chairman), Allcock, Harwood, H. Crompton, J. H. Crossdale, jun., S. George, and Mr. D. Williamson as secretary. Mr. Williamson was also elected to the vacancy on the Pharmaceutical Services Sub-Committee in lieu of Mr. Studdart, resigned.

Chesterfield.—The Chesterfield Pharmacists' Association held a meeting recently at the Falcon Café, Chesterfield, Mr. C. H. Twelves in the chair. The Proprietary Medicines Bill was discussed, and it was decided to write local members of Parliament asking them to oppose the Bill, also to write letters to the local Press on the subject. The other business on the agenda was Co-operative Buying, Revision of the Minimum Retail Price List, and Wages of Apprentices. With regard to the latter, three years' indentures were decided upon, and the wages to be 7s. 6d. per week for the first year, 15s. per week for the second, and 25s. per week for the third year.

Huddersfield.—The annual meeting of the Huddersfield Chemists' Association was held on October 7, Mr. J. B. Broadbent (President) in the chair. The annual report, read by the secretary, showed that during the past session 20*l.* was subscribed to the Harrison Memorial Fund and 51*l.* 7s. 6d. towards the Chamber of Trade Section, for the Huddersfield War Memorial Fund. The following officers were elected for the coming year: *President*, Mr. J. B. Broadbent; *Vice-Presidents*, Messrs. R. C. Walshaw, J. B. Wood, S. Russell, and Haigh; *Secretary* and *Treasurer*, Mr. R. Sykes.

Ipswich.—The annual meeting of the Ipswich and Suffolk Chemists' Association was held on October 13, the President (Mr. Smalley) in the chair. The President referred to the recent death of Mrs. Owen Clarke, Bury St. Edmunds, and moved a vote of condolence. The secretary announced that the appeal for subscriptions for the Harrison Memorial Fund had realised 4*l.* 16s. 6d. The list of subscribers was as follows: Messrs. Grimwade Ridley & Co., Hales, Wiggin, Hardy, Aldridge, Owen Clarke, Oldfield, Miller, Edwards, Walton, Stearn (Haverhill), Cowap, Smalley, Symonds, Wilson, and Cornell. The secretary also reported a further receipt of 26*l.* from the Benevolent Fund for a local case which has previously received a similar amount. The secretary then read his report and submitted the balance-sheet for the past year,

showing a balance in hand of about 6*l.* The election of officers resulted as follows: *President*, Mr. C. Smalley; *Vice-Presidents*, Alderman Owen Clarke, Bury St. Edmunds, and Mr. J. R. Cornell, Ipswich; *Hon. Secretary*, Mr. J. A. Symonds; *Committee*, Messrs. Gamble, Wiggin, Wilson, Hales, and Davidson. A discussion of suggested social functions for the coming season resulted in the decision to have a dinner early next year.

Lancashire (N.E.).—A general meeting of the North-East Lancashire Chemists' Association was held recently, under the presidency of Mr. R. H. McMyn, when the members discussed the position created by the introduction of the Proprietary Medicines Bill. The chairman said he did not consider there is the slightest cause for anxiety, as had been reported in some quarters. Their position would be safeguarded by the Pharmaceutical Council. Mr. Fred Law (secretary) read the comments of the President of the Pharmaceutical Society on the situation. Mr. R. L. Gifford, J.P., Ph.C., hoped that no one would be unduly alarmed by the article to which the chairman had referred. He assured them that the position is fully understood by the Pharmaceutical Council, who are not likely to betray the best interests of the trade. Regarding the sixteen registered persons—a few of whom asked for membership—Mr. Gifford asked how could that be refused? He said the time to fight was in 1908. Incidentally, Mr. Gifford believed that the Insurance Act, as it is to-day, would have been impossible but for the Pharmacy Act of 1908. Respecting the Proprietary Medicines Bill, he said undoubtedly the laws governing the sale of so-called patent medicines were against the interests of the nation and ought to be revised largely on the lines of the Government Bill. With regard to the report of the Select Committee on Patent Medicines in 1914 it became the special business of the Pharmaceutical Society to watch and consider this report, and to educate the public in the matter; but in this respect the Council were terribly remiss, for this patent-medicine business had become more evil and more powerful than before. Perhaps the war was responsible, but he declared the Council and the Local Associations Executive Committee are now active and fully alive to the importance of the Bill at present before the country. He asked the members to accept his assurance and to continue their confidence in the Council. Several members took part in the subsequent discussion, and there was general agreement that, as the interests of chemists were being adequately looked after, there is no need for alarm.

Liverpool.—At a meeting of the Liverpool Chemists' Association, on October 20, Mr. David Evans (retiring President), who occupied the chair, congratulated Mr. Harold Wyatt on his enrolment as a Justice of the Peace for Bootle. In reply, Mr. Wyatt said that doctors on the Bootle Town Council and Borough Bench were numerous, and he felt it was time to add a pharmacist. The unanimous election of Mr. W. H. Clubb (for five years Vice-President) as President for 1921 followed, the rule being to elect the President in October. In accepting, Mr. Clubb recognised that he was taking a very onerous position, but he would be glad to do his best for his fellow-craftsmen. The meeting then listened to two Conference papers, which were not read in July owing to lack of time: *Is the Major Examination of any Value?* (Mr. Harold Wyatt, J.P.) and *Is the Packing of Our Proprietaries Desirable?* (Mr. R. G. Gouvier). Mr. Gouvier read his paper first. The discussion soon resolved itself into a consideration of the value of the wholesaler. Mr. Murray (Ayton's) agreed that if a pharmacist had time to make his own galenicals he ought to do so. Mr. Clubb described how he had found the putting up of from six to a dozen of his own preparations profitable. If the chemist advocated and cultivated a large sale the question would arise whether he had not better hand over the packing to a wholesaler. He acknowledged the very fine quality of galenicals and syrups sold by wholesalers, whose standard, so far as he could judge, had not varied for fifteen or twenty years. Mr. C. E. Sendall (Evans's) pointed to the great work of the wholesale houses in the export and import trade, and their value in supplementing the retailers in all departments. In reply, Mr. Gouvier said he wished

to warn retailers against losing their individuality and becoming mere automata and competitors with grocers and "stores." The chairman said Mr. Gouvier had presented a very strong case in favour of packing one's own proprietaries. Mr. Harold Wyatt admired Mr. Gouvier's high ideals of pharmacy. He described how the careful preparation of orange and other tinctures made these equal to a liqueur. The standardisation of tinctures (*e.g.*, opium) had been carried to a ridiculous extent. Commercially, as well as professionally, there were strong arguments in favour of Mr. Gouvier's suggestions. Mr. H. Wyatt, in giving an up-to-date version of his paper on *Is the Major Examination of Value?* said he was not a pessimist. The Government should offer a number of posts to "Major" men. Every public analyst should be trained in pharmacy, as in France and Spain. He (Mr. Wyatt) had never regretted going in for the "Major." Men should go on learning all their lives. The tonic effects of the war should not be lost. At a time when no outsider could realise the difficulties of the wholesalers, the pharmacists should school themselves to fall back on their own resources. Mr. Prosper Marsden commented favourably on both papers. He was sure the University of Liverpool would meet any demands by student pharmacists if they came in sufficient numbers and whole-heartedly. He never regretted spending almost his last penny on the "Major." Mr. John H. Robinson said he stood out for the individualisation of pharmacy, and deprecated any monotony of labels and containers.

London (S.E.).—At a meeting of the South-East London Chemists' Association held on October 19, Mr. W. C. Sayers (Vice-President) in the chair, Mr. T. W. Cleave (assistant secretary) opened the discussion on the Proprietary Medicines Bill, strongly criticising the measure in its present form. After further discussion the following resolution was carried unanimously: "The South-East London Chemists' Association, whilst objecting most strenuously to the Proprietary Medicines Bill in its present form, will give its unanimous support provided the amendments as proposed by the Council of the Pharmaceutical Society are carried." Further resolutions were afterwards carried as follows: "That the secretary call on Glaxo, Ltd., on behalf of the South-East London Chemists' Association and report the cutting of Glaxo that is taking place in the Peckham district, and ask what steps are being taken to stop the same." "That the wages question be referred to the Committee for discussion, and the Committee to arrange a general meeting for discussion at a future date should they deem it necessary." An appeal for donations to the Early Closing Association resulted in 17s. being collected.

London (S.W.).—The opening meeting of the South-West London Chemists' Association took place at the Westminster College of Pharmacy, Clapham Road, on October 18, the President (Mr. J. Humphrey) in the chair, at which an address was given by Mr. E. T. Neathercoat (President of the Pharmaceutical Society), on *Pharmaceutical Topics*. He also explained the points affecting pharmacists in both the Dangerous Drugs Act and the Proprietary Medicines Bill. The former, although passed, is not actually in force, and the Pharmaceutical Society at present is altering the poison schedule to conform to its requirements. Two important points were conceded in this Act—namely, the rights of pharmacists to sell poisons (as specified in it) without having to register, and also that, before any pharmacist can have his licence revoked, the Minister must consult with the Pharmaceutical Society. This, he contended, created a precedent. He specially emphasised the fact that nearly all these negotiations were conducted in secret and with the permanent officials before the Bill was in the Commons, and his experience was that often much more could be obtained by secret diplomacy than by noise and bluster. He went fully into the amendments now being pressed for by the Society in the Proprietary Medicines Bill, and assured his audience that the Council will carry on a vigorous offensive to get their points conceded. He also touched on the Ministry of Health Bill and the educational policy of the Council, and said that they are doing their

best to fit the pharmacist of the future to take his place with credit in the coming advance of science. After the speech delegates were elected to represent the Association at the Federation meeting held on October 28. The successful candidate for the prize offered by the Association for the best pharmacy student of the year at Battersea Polytechnic is Miss K. M. Savage Kingston, who obtained full marks in all subjects. A vote of appreciation to Mr. Skinner for his splendid work in connection with the "Script" was carried. The new meeting-place was favourably commented on, and it was decided to hold the meetings there during the rest of the session, thanks being accorded to Messrs. Wills and Woodnoth for the use of the room.

Portsmouth.—A well-attended meeting of the Portsmouth Pharmacists' Association was held on October 27, Mr. J. W. Rhodes (President) in the chair. A programme of events for the winter was arranged, commencing with a whist-drive in November. Mr. T. O. Barlow appealed for contributions to the Harrison Memorial Fund, and as a result about 8*l.* 8*s.* was collected. Mr. A. B. Sparrow opened a discussion on *Dispensing Prices*. No agreement was reached regarding the merits of the various pricing methods.

Sheffield.—A meeting of the Sheffield Pharmaceutical Students' Association was held on October 22. The syllabus for the winter session has been arranged, and this includes lectures by Sheffield chemists, visits to the Grimesthorpe Gasworks and the Sheffield Royal Hospital, and a social evening before Christmas. The next meeting will be held on November 5.

Southampton.—A meeting of the Hampshire Pharmacists' Association was held on October 20, the President (Mr. E. H. Smith) in the chair, at which Messrs. Martin and Wrude gave an account of the Federation meeting held in London on August 18. Disappointment was expressed that the recommendation of the Association re delegates' expenses had not been considered, and the secretary was instructed to request that the subject be included in the agenda for the next meeting. It was resolved to ask the Federation Executive to arrange for one of the Federation's meetings for the South-Eastern area to be held at Southampton on November 10. A discussion took place on the question of dispensing-charges, many members reporting cases of undercharging, and the secretary was instructed to send cards to all members requesting them to use the Minimum Retail Price List and also the code word. A general discussion followed on various business topics, including Proprietary Articles Trade Association matters, and several members expressed the need for further combination among chemists for trade purposes.

Southend-on-Sea.—A meeting of the Southend-on-Sea Association of Pharmacists was held recently, Mr. R. H. Shields in the chair. It was decided to invite Dr. White to give a lecture in November, and to form a sub-committee to carry out the arrangements for a joint meeting of medical men and pharmacists. The Proprietary Medicines Bill was then considered, and, after discussion, the following resolution was carried: "That this meeting of pharmacists, having carefully considered the Proprietary Medicines Bill, regard many of its provisions as being extremely menacing to the rights of pharmacists, and call on the Local Associations Executive and the Pharmaceutical Society to exercise the utmost vigilance on their behalf, and take energetic steps with a view to securing a drastic revision of the Bill before it is allowed to pass into law." The question of a winter programme was deferred on the understanding that meetings of the Association should be called as circumstances necessitated. Attention was drawn to the possibility of a joint meeting of medical men, opticians, and pharmacists, in January, for the purpose of a lecture on "The Eye in Health and Disease," by Dr. J. Forrest, of London, illustrated by coloured lantern slides. The treasurer reported a credit balance in hand after paying the levy of 2*s.* for each member which was due to the East Anglia Federation.

Thames Valley.—The annual meeting of the Thames Valley Pharmacists' Association was held on October 27 at Kingston-on-Thames, presided over by Mr. F. J. Plomley (Kingston-on-Thames), President. The annual report was read by the treasurer, Mr. Alfred Higgs, J.P. (Kingston-on-Thames), in which mention was made of the honours that reflected on the Association in that a past President, Mr. E. T. Neathercoat, had been elected President of the Pharmaceutical Society; also that the treasurer had been co-opted a member of the Proprietary Articles Trade Association Council. The treasurer's report showed a substantial balance in hand. A discussion took place on the election of the Committee. Eighteen names were put before the meeting, a vote being taken on each, fifteen being elected, which included some new members. The election of officers was then proceeded with, and a resolution was passed thanking Mr. Peake for his services during the ten years he had been secretary. Mr. C. Goode (Twickenham) was elected as *Secretary*. Messrs. W. M. Tims (Cobham) and W. H. Peake (Twickenham) were elected *Vice-Presidents*. The treasurer and auditor were re-elected. Applications were received from the Surrey and Middlesex County Associations for a grant, and 1*l.* was voted in each case. The sum of 1*l.* 1*s.* was also voted to the funds of the Early Closing Association. The Proprietary Medicines Bill was considered, and letters were directed to be sent to the Pharmaceutical Society, the Local Associations Executive Committee, and the P.A.T.A., asking them to take necessary steps to protect the interests of the trade. Insurance matters were touched on by Mr. H. E. Clement (Hampton Hill) and Mr. W. M. Tims (Cobham). The question of wages and conditions in pharmacy was adjourned. The President invited those present to tea.

Walthamstow.—A meeting of the Walthamstow Pharmacists' Association was held on October 20, Mr. G. F. Deeth (Vice-President) in the chair. The secretary spoke on the Proprietary Medicines Bill, pointing out the clauses which would be to the disadvantage of the pharmacist. Afterwards it was decided to send a letter to each member of Parliament for the district, protesting against the Bill. Mr. Edmund Willcocks then gave a demonstration on *Gaslight Printing*.

West Midland Federation.—At a meeting of the West Midland Federation, held at Birmingham on October 21, delegates were present from the following Associations: Birmingham, Coventry, North Staffordshire, Staffordshire, Smethwick, Walsall, Warwickshire, Worcester City and County, and Wolverhampton. The following executive was elected: Messrs. H. O. Lloyd, *President*; C. Davis and F. J. Gibson, *Vice-Presidents*; H. M. Tranmer, *Treasurer*; T. W. Garland, D. G. Pout, A. S. Price, W. L. Nundy, J. Robinson, and H. Rigg, *Secretary*, Mr. F. Smith. It was proposed to hold a full members' Federation meeting, open to all members of Associations, at Worcester on November 18. Correspondence with various proprietors for the increasing of profits on their proprietaries is taking place, and will be continued. It is hoped to inaugurate a series of prizes for students of the Birmingham Pharmacy School, to be subscribed by the various Associations in the Federation.

Wolverhampton.—A meeting of the Wolverhampton Chemists' Association was held recently, under the chairmanship of Mr. C. M. Warner (President), when Dr. White (Parke, Davis & Co.) gave an interesting lecture entitled *Organotherapy and the Manufacture of Biological Products*, illustrated by lantern slides. An ordinary meeting of the Association was then held, at which the secretary announced that he had sent 2*l.* 13*s.* to the Benevolent Fund. The President was appointed delegate to the next meeting of the West Midland Federation. The secretary stated that the winners of the prizes given by the Association to the Technical School were William Wilford (chemistry) and Eileen Ruddid (botany).

WATER obtained from a depth of 1,000 feet in the neighbourhood of Stafford has been found to contain approximately 1,000 grains of sodium chloride per gallon.

Piedmontese Peppermint Oil.

NEXT to the essential oils of lemon and orange, that obtained from peppermint enjoys a high reputation among the numerous volatile oils produced by Italy. Sig. Micheletti, the editor of the "Rivista Italiana delle Essenze e Profumi," contributes to "La Parfumerie Moderne," October 1920, an interesting account of his recent visit to Vigone and Pancalieri, the centres of the cultivation, and also of the distillation of peppermint in the province of Turin. This district, which the author designates as the "Mitcham of Italy," yields annually about eleven million kilograms of peppermint, from which 25,000 to 27,000 kilograms of essential oil are obtained. The extensive cultivation of peppermint in Piedmont is of recent date, and is due to the action of a French distiller, M. Honoré Carles, who, observing that the locally-grown peppermint gave a very poor yield of essential oil, had ten bags of Mitcham-quality plants sent from England, which he distributed in 1900 to the growers of Pancalieri. The plants thrived remarkably well, and may now be regarded as a special variety, indigenous to that district. The oil distilled from these plants, and sold under the designation of "Piedmontese Peppermint Oil," or, better, as "Italo-Mitcham Pepper-mint," is now acknowledged to be one of the best in the world, on account of the delicacy of its perfume and the sweetness of its aroma. This variety of peppermint yields about 1 kilogram of essential oil for every 400 kilograms of plants submitted to distillation. This year witnessed a normal harvest, but the price paid for peppermint was excessive. Whereas distillers had been prepared to pay 24 to 25 lire per 100 kilograms, the growers raised the price to 30 lire. This unexpected advance in price is due to the fact that the distillers' work independently of each other, each trying to obtain from the growers the largest possible quantities of mint, promising them higher prices. Thus the growers succeeded this year in making a profit of 100 per cent. by taking full advantage of the competition among the distillers. A suggestion of the author to form a syndicate received a very unfavourable reception from the distillers, in view of the conflicting interests among the latter.

All the oil distilleries visited by the writer worked continuously, day and night, for a period of twenty-five days. The most important are: R. Subinaghi & Co., which possesses eight distilling plants, with a capacity of 400 kilograms each; Barbero-Rosso & Co., with two large plants of 650 kilograms each, and six of 350 kilograms, both of which are at Vigone. At Pancalieri there is the factory, already alluded to above, of H. Carles, with twelve distilling plants, of a capacity of 250 kilograms each; he also possesses another distillery, with four average-size plants, at Polonghera. The distillery of Sig. G. Varino, now managed by his son, is the oldest one producing peppermint oil in Italy; Sig. Varino, who died this year, created this branch of industry in 1871. His factory has seven distilling plants of 400 kilograms each, in addition to two other factories, at Lombriasco, with five, and another at Polonghera, with four, distilling plants. There are also a number of other distilleries, of minor importance, scattered throughout this district, such as Galasso Andrea, Rittatore, Barberi & Co., Ubertino Vignolo, etc. In conclusion, Sig. Micheletti insists upon the necessity for the Italian Government to promote more actively this branch of national industry, and points to the recent French Lavender Congress (*C. & D.*, September 11, 1920, p. 68) as an example in point.

MEDICINES and drugs valued at 18,175*l.* were imported into Australia from Canada during 1918-19, compared with 18,838*l.* in 1917-18 and 28,654*l.* in 1916-17.

SHORT WEIGHT IN PACKED GOODS.—The Kidderminster chamber of trade has decided to approach the watch committee of the borough on the subject of packed goods, which are apt to lose in weight in storing, by evaporation of contents. It is to be pointed out that such loss might result in the prosecution of an unoffending trader.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Birmingham.—The Pharmaceutical Committee held a meeting on October 25. The discontinuance of the use of the single forms for prescriptions when the present supply is exhausted is being sought. The issue of a circular on October 5, giving fresh instructions for dealing with prescriptions issued by malaria clinics, was reported. Two additions to the panel of chemists were reported, and one withdrawal. The report of the Central Checking Bureau on the pricing of prescriptions for May and June was considered, and it was agreed that the pricing was being continued with a satisfactory degree of accuracy.

Hampshire.—The Pharmaceutical Committee held a meeting on October 20, Mr. E. H. Smith (Gosport) presiding. The secretary was instructed again to draw the attention of the Insurance Committee to the abnormal number of formulas in use in the Winchester area. Mr. Wride, member of the Insurance Committee, explained the difficulty in getting the scheme for the administration under Article 10 settled, and presented the scheme as adopted. The reports of the Central Checking Bureau for February to May were received, the result being an addition of 2s. 4*d.* to the accounts. The chairman drew attention to the delay in payment of chemists' accounts, but Mr. Wride explained that there had been a breakdown at the pricing office.

London.—A meeting of the Insurance Committee was held on September 23, at which the reports of the various sub-committees were considered. The following is abstracted from the agenda : The statement of accounts submitted by the Finance Sub-Committee and recommended for payment included sums totalling 248,267*l.* 3*s.*; of this, 13,044*l.* 14*s.* 9*d.* was for payments to chemists for the medical year 1920. Dispensaries under the Sanatorium Benefit Fund were debited with 1,406*l.* 10*s.* The Committee agreed to advances of 790*l.* and 50*l.* to the Panel and Pharmaceutical Committees for administrative expenses. The Pharmaceutical Committee have re-appointed Messrs. Barnard, Keall, and Melhuish as their representatives on the Pharmaceutical Service Sub-Committee. The number of persons supplying drugs and appliances on September 30 was constituted as follows : Chemists in general business, 660; in institutions, 38; other persons, 24. One withdrawal from, and two additions to, the panel have been made during September.

Middlesex.—At a meeting of the Pharmaceutical Committee held on September 29 the following statistics were submitted from the Prescription Checking Department :

	Scripts	Average	Prescriptions	Average
May (revised) ...	66,338	12 <i>d.</i>	79,852	10 <i>1d.</i>
June	57,673	12 <i>4d.</i>	70,304	10 <i>2d.</i>
July	58,272	12 <i>4d.</i>	71,059	10 <i>2d.</i>

The average price per script was 12*d.* for the second quarter of 1920 and 10*1d.* per prescription, these figures showing an increase of 0*4d.* in each case on those for the first quarter. The position with regard to advance payments and clinic prescriptions was also explained.

October Drug Tariff.

The following are the alterations for October in the Drug Tariff for England and Wales issued by the Ministry of Health :

Lower.—Acetanilidum, 6*d.* oz.; acetum ipecac., 3*s.* 2*d.* lb.; acid. citric. pulv., 6*s.* 3*d.* lb.; acid. salicylic., 4*s.* 6*d.* lb.; ammon. brom., 5*s.* 1*b.*; atrop. sulph., 3*s.* 10*d.* gram; bals. Peruvin., 3*s.* 0*z.*; barbitonum, 2*s.* 10*d.* oz.; bism. carb., 18*s.* 6*d.* lb.; bism. subnit., 17*s.* 6*d.* lb.; calc. lact., 9*s.* lb.; camphora (flowers), 15*s.* lb.; chloral hydras, 1*s.* oz.; cocaine, hydrochlor., 6*s.* dr.; codicina, 6*s.* dr.; codein. phosph., 5*s.* 3*d.* dr.; conf. sennae, 3*s.* 6*d.* lb.; emul. olci morrhæ, B.P.C., 2*s.* 2*d.* lb.; emul. ol. morrh. c. hypoph., B.P.C., 3*s.* lb.;

ext. case. sagr. liq., 3*s.* 6*d.* lb.; ext. glycyrrh. liq., 5*s.* 6*d.* lb.; glycer. thymol. co., B.P.C., 1*s.* 11*d.* lb.; guaiacol carbonas, 2*s.* 8*d.* oz.; hydrarg. iod. rubr., 1*s.* 9*d.* oz.; hydrarg. oxid. flav., 10*s.* 9*d.* lb.; hydrarg. perchlor., 9*s.* 2*d.* lb.; hydrarg. subchlor., 9*s.* 8*d.* lb.; hydrargyrum ammon., 10*s.* 6*d.* lb.; hydrargyrum c. creta, 4*s.* 1*b.*; hydrargyrum oleat., 8*s.* 2*d.* lb.; lin. camph., 5*s.* 6*d.* lb.; lin. camph. am. meth., 5*s.* 6*d.* lb.; liq. bism. et am. cit., 2*s.* 1*b.*; lith. cit. effervesc., 5*s.* 8*d.* lb.; mag. sulph. effervesc., 3*s.* 2*d.* lb.; menthol, 3*s.* 6*d.* oz.; methylsulphonial, 4*s.* oz.; ol. amygdalæ, 4*s.* 9*d.* lb.; ol. morrhæ (Norwegian opt.), 19*s.* gal.; phazonax, 1*s.* 9*d.* oz.; pil. hydrarg., gr. iv., .8*d.* per doz.; pot. brom., 3*s.* 8*d.* lb.; pot. permang., 7*s.* 10*d.* lb.; pot. tart. acid., 3*s.* 4*d.* lb.; pulv. glycyrrh. co., 2*s.* 3*d.* lb.; pulv. ipecac. co., 10*s.* 1*b.*; resorcinum, 2*s.* 2*d.* oz.; sodii brom., 4*s.* 9*d.* lb.; sodii citro-tart. eff., 3*s.* 10*d.* lb.; sodii et pot. tart., 2*s.* 6*d.* lb.; sulphonal, 4*s.* 6*d.* oz.; syrupus, 1*s.* 6*d.* lb.; syr. calc. lactophosph., 3*s.* 10*d.* lb.; syr. cassaræ aromat., 4*s.* 7*d.* lb.; syr. chloral, 4*s.* 1*d.* lb.; syr. codeinæ phosph., 5*s.* 2*d.* lb.; syr. ferri iod., 4*s.* 1*b.*; syr. ferri phosph., 2*s.* 2*d.* lb.; syr. ferri phosph. co., B.P.C., 2*s.* 1*b.*; syr. ferri phosph. c. quin. et strych., 3*s.* 4*d.* lb.; syr. glycerophosph. co., B.P.C., 3*s.* 9*d.* lb.; syr. hypophosph. co., B.P.C., 2*s.* 10*d.* lb.; syr. limonis, 2*s.* 6*d.* lb.; syr. pruni virg., 2*s.* 2*d.* lb.; syr. rheï, 2*s.* 10*d.* lb.; syr. scillæ, 1*s.* 9*d.* lb.; syr. sennæ, 2*s.* 7*d.* lb.; syr. tolut., 1*s.* 11*d.* lb.; syr. zingib., 2*s.* 1*d.* lb.; theobrom. et sod. salicyl., 2*s.* 8*d.* oz.; tr. aconit., 6*s.* 2*d.* lb.; tr. belladon., 6*s.* 8*d.* lb.; tr. benzoini co., 7*s.* 8*d.* lb.; tr. camph. co., 4*s.* 9*d.* lb.; tr. cardam. co., 4*s.* 2*d.* lb.; tr. catechu, 4*s.* 3*d.* lb.; tr. chlorof. et morph., '85, 4*s.* 9*d.* lb.; tr. cinchon. co., 7*s.* 2*d.* lb.; tr. digitalis, 5*s.* 8*d.* lb.; tr. gent. co., 4*s.* 2*d.* lb.; tr. hyoscyami, 7*s.* 2*d.* lb.; tr. lavand. co., 8*s.* 6*d.* lb.; tr. nucis vom., 5*s.* 8*d.* lb.; tr. opii, 6*s.* 2*d.* lb.; tr. quin. ammon., 5*s.* 8*d.* lb.; tr. rheï co., 4*s.* 9*d.* lb.; tr. zingib., 8*s.* lb.; ung. hydrarg., 6*s.* 6*d.* lb.; ung. hyd. co., 8*s.* 1*b.*; ung. hyd. nit., 5*s.* 6*d.* lb.; ung. hyd. nit. dil., 3*s.* 2*d.* lb.; vinum ipecac., 4*s.* 9*d.* lb. Bandages: grey, open wove, 1 in. by 3 yds., 1*0d.*; 2 in. by 4 yds., 2*5d.*; 2*1*/₂ in. by 4 yds., 3*0d.*; 3 in. by 4 yds., 3*7d.*; 4 in. by 4 yds., 4*8d.*; white, open wove, 1 in. by 3 yds., 1*2d.*; 2 in. by 4 yds., 3*2d.*; 2*1*/₂ in. by 4 yds., 3*9d.*; 3 in. by 4 yds., 4*7d.* each. Gauze and cotton-wool tissues: 2 oz., 5*3d.*; 4 oz., 10*0d.*; 8 oz., 18*0d.*; 1 lb., 33*0d.* Lints: unmediated, 1 lb., 63*0d.*; boric, 1 lb., 42*0d.*

Higher.—Aq. aurant. flor., 2*s.* 8*d.* lb.; aq. camph., 7*d.* lb.; aq. rosæ, 2*s.* 8*d.* lb.; calc. carb. præcip., 4*s.* cwt.; liq. calcis sulphuratae, B.P.C., 11*d.* lb.; ol. olive (sublime), 3*s.* gal.; ol. santal., 5*s.* 5*d.* oz.; pil. aloes et ferri, gr. iv., .8*d.* per doz.; pil. hydrarg. c. creta et opio, B.P.C., 1*2d.* per doz.; sodii phosph. eff., 5*s.* 8*d.* lb.; strych. hydrochlor., 14*s.* 3*d.* oz.; syr. aurantii, 3*s.* 10*d.* lb.; tr. cannab. ind., 35*s.* lb.; tr. iodi mit., 8*s.* 6*d.* lb. Carbolised tow, 13*0d.* per lb.

SCOTLAND.

Dundee.—Panel patients have required an abnormal amount of prescribing lately, and at a recent meeting of the Insurance Committee, Mr. Wm. Harvey presiding, the following reasons were assigned for this by the Medical Benefit Committee : (1) The fact that many persons who were on the lists of doctors who had been on military service were more readily consulting their doctors; (2) to the increase in the number of insured persons on doctors' lists; and (3) to a period of abnormal sickness in the area during the first five months of the current year. Mr. David Duncan, the clerk, reported that there had been a deficit on the Drug Fund this year. For the first six months of the year they had spent on drugs as much as was spent in the whole of 1918.

October Drug Tariff.

The following are the alterations in the prices of drugs and appliances for October :

Acetanilidum, 8*2d.* oz.; acid. benzoie., 8*2d.* oz.; acid. gallic., 1*s.* 6*2d.* oz.; acid. salicyl., 5*d.* oz.; ammon. brom., 5*2d.* oz.; amyl. nit., 1*s.* 9*d.* oz.; atropin. sulph., 10*s.* 1*b.* dr.; barbitonum, 4*s.* oz.; bismuth. carb., 1*s.* 8*2d.* oz.; bismuth. subnit., 1*s.* 7*d.* oz.; calcii glycerophosph., 1*s.* 9*d.* oz.; calcii laet., 1*s.* 1*d.* oz.; camphora, 1*s.* 4*2d.* oz.; chloral hydras., 1*s.* 5*d.* oz.; cocaine, hydrochlor., 8*s.* 5*d.* dr.; codeine, 8*s.* 5*d.* dr.; codein. phosph., 7*s.* 4*2d.* dr.; emul. petrolei c. hypo. (B.P.C.), 3*d.* oz.; ext. cascara sag. liq., 3*2d.* oz.; ext. glycyrrh. liq., 5*2d.* oz.; glycerin. thymol. co. (B.P.C.), 2*d.* oz.; guaiacol carbonas (duotab), 3*s.* 9*d.* oz.; hydrarg. iod. rubr., 2*s.* 5*2d.* oz.; hydrarg. ox. flav., 1*s.* 3*1d.* oz.; hydrarg. perchlor., 10*s.* 1*b.* oz.; hydrarg. subchlorid., 11*d.* oz.; hydrarg. ammon., 1*s.* 2*d.* oz.; hydrarg. cum cret., 4*2d.* oz.; iodoformum, 2*s.* 10*d.* oz.; lin. camph., 5*2d.* oz.; lin. camph. ammon. meth., 5*2d.* oz.; lin. hydrarg.,

10d. oz.; liq. bismuth et ammon. cit., 2d. oz.; lithii cit. effer., 6½d. oz.; magnes. sulph. effer., 3½d. oz.; menthol, 4s. 11d. oz.; methylsulphonil (trional), 5s. 7½d. oz.; ol. amygd., 4½d. oz.; ol. morrhuae, 3s. 2d. Imperial pint; ol. olivæ, 3½d. oz.; ol. santal., 7s. 4½d. oz.; paraldehyd., 1s. oz.; phenazon. (antipyrin), 2s. 5½d. oz.; potass. brom., 4d. oz.; potass. permang., 9d. oz.; potass. tart. acid., 4d. oz.; pulv. glycyrrh. co., 3d. oz.; pulv. ipecac. co., 1s. 2d. oz.; resorcinum, 3s. 0½d. oz.; sod. benz., 8½d. oz.; sod. brom., 5½d. oz.; sod. cit. tart. effer., 4½d. oz.; sod. et potass. tart., 3d. oz.; sod. phosph. effer., 6½d. oz.; sod. sulph. effer., 4½d. oz.; sulphonal, 6s. 4d. oz.; syrup, 2d. oz.; syr. aurantii, 5½d. oz.; syr. chloral, 5½d. oz.; syr. codeinæ phosph., 7d. oz.; syr. ferri iod., 5½d. oz.; syr. ferri phosph., 3d. oz.; syr. ferri phosph. cum quin. et strych., 4½d. oz.; syr. glycerophos. co. (B.P.C.), 5d. oz.; syr. hypophosph. co. (B.P.C.), 4d. oz.; syr. limonis, 3½d. oz.; syr. pruni virg., 3d. oz.; syr. rheï, 4d. oz.; syr. scillæ, 2½d. oz.; syr. sennae, 4½d. oz.; syr. tolui., 3d. oz.; syr. zingib., 3d. oz.; theobromin. et sod.-salicyl. (diuretin), 3s. 9d. oz.; tinct. aconit., 6½d. oz.; tinct. benz. co., 8d. oz.; tinct. cannabis indica, 4s. 1d. oz.; tinct. catechu, 4½d. oz.; tinct. cinchon. co., 7½d. oz.; tinct. digital., 6d. oz.; tinct. hyoscy., 7½d. oz.; tinct. lavand. co., 8½d. oz.; tinct. nucis vom., 6d. oz.; tinct. opii, 6½d. oz.; tinct. quinin. amm., 6d. oz.; tinct. zingib., 8d. oz.; ung. hydrarg., 7d. oz.; ung. hydrarg. co., 9d. oz.; ung. hydrarg. nit., 6d. oz.; ung. hydrarg. nit. dil., 3½d. oz.; vinum ipecac., 5d. oz.; zinci chlor., 6d. oz. Appliances.—Bandages: Grey, open wove, 1 in. by 3 yds., 1½d. each; 2 in. by 4 yds., 3d. each; 2½ in. by 4 yds., 4d. each; 3 in. by 4 yds., 5d. each; 4 in. by 4 yds., 6½d. each; white, open wove, 2 in. by 4 yds., 4½d. each; 2½ in. by 4 yds., 5½d. each; 3 in. by 4 yds., 6½d. each. Lints: Unmedicated, 1 lb. 7s. Gauze and cotton-wool tissue, 3s. 8d. per lb., 4d. per oz.

The American Drug Market.

By Chas. L. Huisking.

The following is an Abstract of a Paper read before the National Wholesale Druggists' Association, which held its Forty-sixth Annual Convention at Cincinnati, Ohio, on October 25-29. Mr. Huisking is chairman of the Drug Committee of the N.W.D.U., and is a frequent visitor to this side of the Atlantic.

THE drug market during the past year has been subject to what might be described as "varying emotions." A casual glance through recent market reports and price-lists would rather indicate to one not intimately connected with the market that the lines associated with the drug-trade had recently suffered a severe relapse in the way of prices, but a comparison of values with those prevailing a year ago shows that in the aggregate a very small reduction only has taken place, and a further comparison with the highest values prevailing during the last few memorable years, and the comparatively slight total reduction that has since taken place, can perhaps best be ascribed to the steadiness and stability of the drug-trade in general. You are all more or less familiar with the chart of prices that this committee prepared a few years ago, and in which we took into consideration slightly more than one hundred of the leading articles of the drug and allied lines. A careful record of prices on these articles has since been kept by this committee, and, on comparing the prices of the present period with those of a year ago, we find that the aggregate reduction has amounted to 5½ per cent. This, perhaps, forms a good-enough basis for statistical purposes, but can it be considered a fair indication of the course of events during the interim? The drug market has always been highly fluctuating, and there have been violent changes up and down in many of the leading articles since we presented our last report to you; but to deal with each and every article separately would be almost a physical impossibility, so as a matter of interest I separated from the total list twenty articles of about equal importance to the everyday jobbing drug business, ten of which declined and the other half advanced in value. On the lower side, the articles taken into consideration were citric acid, tartaric acid, camphor, oil of anise, cod-liver oil, oil of mustard, milk-sugar, mercury, rhubarb, and celery seed, and the aggregate reduction on these ten articles amounted to 7½ per cent. On the higher side the aggregate advance amounted to 65 per cent, based on increased values in

acetanilide, oxalic acid, glycerin, buchu leaves, lycopodium, naphthalene, citronella oil, bromide of potash, permanganate of potash, and santonin. A final analysis, therefore, shows that conditions existing in the world's markets during the past twelve months have had their influence on drugs and chemicals to perhaps as great an extent as on any other line of equal importance, and the opposite courses followed by these price-changes demonstrate more clearly the fluctuating nature of our particular line of business. Speculation, of course, is always an important factor, and contributes at least to some extent when prices show an advancing tendency. During the past few months there have been more marked evidences of general industrial depression throughout the world, and this has carried with it a natural tendency to lower prices; but through it all the volume of business has kept up very well in the drug markets, which indicates clearly that buyers generally have been following a holding-off policy, and stocks have been allowed to decrease to a minimum, and, until the reconstructive period has been allowed to progress somewhat further, we can only advocate a continuance of that same policy. At the same time we feel justified in saying that reconstruction has recently shown signs of greater progress, and I firmly believe that after next month, when the presidential election is over, progress towards stabilisation will be even more rapid, especially if we are fortunate enough to see early evidences of much-needed reforms in Government circles generally. It will help more than anything else to steady conditions, and, while this improvement will inevitably bring with it a tendency to lower prices, the latter condition will just as surely bring about a larger volume of buying, and I should like to emphasise that the vacillating and meddlesome policy of Government authorities and the continuance of high taxes has contributed perhaps more than anything else to prevent an earlier settlement of our industrial ailments. Viewing the drug market from all angles, we feel that we can afford to be optimistic regarding the outlook during the coming year. A prolonged depression seems most improbable. There is still a great amount of unfinished work and an imperative need for production of goods to satisfy not only this country's requirements, but those of the rest of the world. A sane and sensible readjustment of tariffs is perhaps the next requisite, but the greatest mistake that could be made to-day in regard to the chemical industry of this country would be to build a high protective wall around it which would have a tendency to make our manufacturers content with our own large home markets instead of forcing them to continue their present policy of increasing their output and finding markets abroad for their excess quantities. One factor that has militated for some time past against greater export is the unfavourable rate of exchange in practically all foreign currencies; but, on the other hand, this has helped to increase imports, which, in turn, has released greater quantities of American-made goods for our home markets, and a continuation of this during the reconstructive period will help to bring about equalisation of values and a gradual drift to the desired level. A bright feature in our steady march towards chemical progress was the recent announcement of amalgamation of interests on the part of four of the leading chemical concerns of the country, thus giving to this country the largest individual chemical concern in the world, and more consolidation of interests along those lines would not be surprising. The jobbing drug business in all its ramifications shows evidences of having successfully handled the various aspects that the drug market has presented during the past year, and a careful study of the conditions surrounding the more important articles of our line in the future will offer opportunities for continued success. What the eventual basis of values, compared with pre-war prices, will be is impossible to forecast, but that we shall never get back to the level of prices prevailing at that time is an assured fact. Labour needs and demands a just return for its efforts, and the final adjustment on that score must needs be considerably above the pre-war basis, and the ultimate result will necessarily furnish the basic factor in determining the cost and selling-price of all goods in our line.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, Oct. 28.

BUSINESS continues very flat in all sections of the markets, and particularly in Mincing Lane produce, where further trouble in the rubber market has accentuated the prevailing depression. Otherwise the coal strike, the issue of which at the time of writing is still in the balance, is operating with deadly effect on all branches of industry. A favourable and permanent settlement would no doubt tend to encourage buyers, and this disposition was apparent early in the week, but on Wednesday a serious hitch was announced in the negotiations. The downward tendency of prices is still marked, particularly in the pharmaceutical chemical group, and almost without exception the tone is weak, so that bargain-hunters and those who have orders to place continue to find pliable sellers. There was an advance of 10s. per bottle in mercury on Monday, the previous cut evidently have been too drastic. Tartaric acid has a firmer tendency; most of the cheap parcels having been disposed of. Citric acid and cream of tartar are both flat and weaker. Crude drugs are all quiet, pending the deferred auction, the date of which at the time of writing has not been settled. A summary of the features in pharmaceutical and heavy chemicals will be found in their respective sections.

Higher	Firmer	Easier	Lower
Lead, white (export)	Geranium oils	Acetanilide	Ammon.
Mercury	Pepper	Acetic acid	bromide
	Tartaric acid	Albumen	Benzoinic acid
		Aloes (Cape)	Castor oil
		Anise oil, star	Cinnamon
		Barbitone	Cocaine hyd.
		Barium chloride	Cod liver oil
		Caffeine (pure)	Coriander oil
		Camphor (Jp. slats)	Coumarin
		Cassia fistula	Formaldehyde
		Cassia oil	Ginger (Jam.)
		Citric acid	Heliotropine
		Citronelle oil (Cey.)	Ilexamine
		Cocoa butter	Lithopone
		Copper sulphate	Methyl
		Epsom salt	anthranilate
		Parina (Jp.)	Para-formaldehyde
		Hydroquinone	Patchouli oil
		Ipecacuanha	Phenacetin
		Linseed	Phenazone
		Lithia carbonate	Phenyl ethyl
		Methyl sulphonal	alcohol
		Milk sugar	Potash bromide
		Mint oil (Jp.)	Potash caustic
		Orange oil (Sic.)	Resorcin
		Potash bichromate	Santonin
		Sarsaparilla	Silver
		Sassafras oil	proteinate
		Senega	Soda
		Soda crystals (f.o.h.)	bichromate
		Soda prussiate	soda bromide
		Soda sulphide	soda caustic
		Vanillin	soda salicylate
			soda sulphite
			Squill
			Sulphonated
			Tannic acid
			Theobromine
			Turpentine

Cablegram.

NEW YORK, October 26.—Business is quiet. Mercurials are again lower. Calomel is 12c. per lb. lower at \$1.19. Sweet oil of birch (wintergreen) is lower at \$5.50 per lb. Hydrastis (golden seal) has been reduced to \$6.10. Buckthorn bark is cheaper at 17c., and balsam Peru at \$3.00. Short buchu has declined to \$3.30, and antipyrine to \$3.25. Formaldehyde is lower at 32c. (6c. lower), and citric acid is cheaper at 62c. Saccharin has been reduced to \$2.85.

London Markets.

ALOES.—In view of the plentiful stocks of Cape, prices are easier, with good bright firsts offering at 77s. 6d., good seconds at 75s., and fair hard at 70s. per cwt.

AMMONIACUM.—Good loose drop has been selling at 6s. per lb., and part blocky at 5s. 6d.

ANISE is slow and unchanged at 87s. 6d. per cwt. for Russian and 92s. 6d. for good Spanish.

ANTIMONY.—Chinese crude is still going begging at a further decline down to about 33l. per ton ex warehouse, and foreign regulus can be had down to about 40l. c.i.f., but the demand is practically absent, and prices are now more or less nominal.

ARECA.—With fairly plentiful stocks on the spot, prices have an easy undertone, with spot sellers of good bold at about 60s. per cwt., and less for quantity.

BENZOIN.—A parcel of fine glassy almond Siam block has arrived; also a parcel of first quality Sumatra.

CAMPHOR (CRUDE).—The spot price of Chinese is from 3s. 6d. to 4s. per lb., and for November-January shipment 3s. 6d. c.i.f. is asked.

CAMPHOR (REFINED).—Japanese slabs are slightly easier, selling at 5s. 10d. to 5s. 10½d. per lb. on the spot.

CANARY SEED is steady at 172s. 6d. per quarter for good Morocco and 137s. 6d. for cleaned River Plate.

CARAWAY SEED is quiet at 39s. 6d. per cwt. for good Dutch and at 22s. for North African.

CASSIA FISTULA is easier, with spot sellers at from 32s. 6d. to 35s. per cwt., and slightly less for quantity.

CASTOR OIL has been reduced by English makers by 5l. per ton to 77l. for pharmaceutical to 72l. for first pressing and to 67l. for seconds, barrels included, ex works.

CINCHONA.—At the auction to be held at Amsterdam on Wednesday, November 10, 1,360 packages Java bark, weighing 68,143 kilos., will be offered.

CLOVES remain quiet, with Zanzibar offering at from 1s. 6d. to 1s. 7d. per lb. as to quality and quantity. A small c.i.f. business has been done at 1s. 3½d. per lb. for October-December shipment, 1s. 3d. being quoted at the close.

COCA LEAVES.—At the Amsterdam auction to be held on Wednesday, November 10, 5,332 packages Java, weighing 287,605 kilos., will be offered.

COCOA-BUTTER is 1d. per lb. lower at 2s. 7d. in lots of not less than 1 ton.

COD-LIVER OIL.—Our Bergen correspondent writes on October 20 that the market continues very quiet. There is no regular quotation for finest non-congealing medicinal oil, but business could probably be done at around 250s. per barrel. The total exports from Norway up to October 2 amount to 33,664 barrels. Agents in London quote finest Lofoten at 255s. c.i.f., and the spot value is about 250s. to 260s.

CORIANDER SEED is unchanged at 21s. 6d. per cwt. for good sound Morocco.

CUMIN SEED is neglected, and the quotation remains steady at 32s. 6d. to 35s. per cwt. for fair to good Morocco.

DAMIANA LEAVES are easier in New York, and spot sellers quote about 1s. 1d. per lb.

DILL SEED.—The small stock on hand is held for 27s. 6d. per cwt.

EGG-PRODUCTS remain dull. Chinese hen-yolk is offered at 80s. per cwt. for old, 105s. for new, and at 90s. c.i.f. for November-December shipment. Dried yolk is 9d. per lb. on the spot, sprayed whole egg 1s. 6d., and native dried whole 10d. per lb. spot. Prime hen *albumen* is 4s. 8d. to 4s. 9d. per lb. on the spot, and October-December shipment 4s. 6d. c.i.f.

ERGOT.—Since our last issue, 55 packages have arrived from Portugal. Spot is obtainable at slightly under 13s. per lb.

The present year's yield of ergot is expected to be equally as large as that of 1919, which was 87 metric tons, reports U.S. Consul Nathan from Vigo, Spain, under date of August 24, 1920. Nevertheless, as the demand is large and there are no stocks from last year, prices are high, though

they have fallen lately. Ergot is now selling locally at from 50 to 55 pesetas per kilo. (present exchange value of peseta is about 15 cents), or from about \$3.40 to \$3.80 per lb.

FARINA.—Japanese No. 1 is offering at a decline of 1s., dealers quoting at 28s. 6d. per cwt. on the spot, and for November-December shipment 26s. 9d. c.i.f. is quoted.

FENNEL SEED is quiet at 35s. per cwt. for ordinary dusty East India.

FENUGREEK SEED is slow of sale at 15s. 6d. per cwt. for fair Morocco on the spot.

GALBANUM.—Fair loose drop is offered at 5s., and partly blocky at 4s. 6d. per lb.

GENTIAN.—U.S. Consul, Edward I. Nathan, reports from Vigo, Spain, under date of September 8, 1920, that this year's crop of Spanish gentian will be very small, not exceeding 250 tons, while that of 1919 amounted to over 400 tons. Stocks are reported small, and prices are high, about 13c. to 14c. per lb. c.i.f. New York.

GINGER.—Jamaica ginger has been offered at rather lower rates, but buyers remain apathetic. Sound lots of cut and rough Cochin continue to realise good prices. African and Japanese are neglected.

HYDRASTIS.—A limited quantity can be had at 37s. per lb. on the spot.

IPECACUANHA is easier, Matto Grosso offering at from 13s. to 14s., Minas at 13s., and Cartagena at 12s. 6d. per lb. The London first-hand stock on October 25 amounted to 682 packages, consisting of 480 Matto Grosso, 99 Minas, 40 East Indian, and 63 Cartagena.

KAMALA.—The Alipore has brought 44 bags from Karachi.

LINSEED is easier at 40s. to 42s. 6d. per cwt. for fair to good bold clean.

LINSEED-OIL.—There was a fair improvement in the demand late last week, this being apparently largely due to covering purchases against speculative contracts, in view of the fact that a state of rather enforced idleness has taken place at the crushing mills. The London spot price rallied to 72*l.* per ton, but the appearance of the market since has eased a little, due to the prevailing trade uncertainties, and on Wednesday 71*l.* naked was quoted.

LOBELIA.—Spot is firm, with sellers at 6s. per lb.

MENTHOL is quiet, with a continued easy undertone, Kobayashi-Suzuki having been sold at from 28s. 6d. to 28s. 3d. per lb. on the spot. Market on Wednesday closed steadier at 28s. 6d.

MERCURY has lately been entirely governed by the attitude of the leading importing firm, which has been the subject of considerable uncertainty. The fact that their action in raising the price again early this week by 10s. per bottle to 15*l.* 10s. was regarded rather as an indication that the previous cut they made of 3*l.* per bottle had been rather overdone. Admittedly the demand for some time past had been very disappointing, but there has been some little improvement since, and it would cause no surprise to see a further steady recovery in the opinion of some dealers, who, as a rule, are quoting considerably above the chief importers' limit. Current quotations at the moment range from 15*l.* 10s. to 16*l.* per bottle.

OPIUM continues dull, the spot value of good Turkey druggist's being about 20s. to 21s. per lb. as to test and quality. Persian is also slow of sale at from 40s. to 50s. per lb. as to test.

The British Chamber of Commerce of Turkey, in its October issue of the journal, states that the United States and the United Kingdom, the two largest importing countries of pre-war days, have bought little or nothing in Turkey for some months past. As a result of the restrictions against the export of opium and its derivatives, and the curtailment of home consumption, barely one-fifth of pre-war quantities will henceforward be imported. Other European countries, where export restrictions are more elastic, are now developing into distributing centres, and are importing quantities far in excess of anything they did previously.

PEPPER declined early in the week, but subsequently recovered. Spot sales of fair *black* Singapore have been made at 5*l*. 2*d.* to 5*l*. 4*d.* per lb. for November-January shipment, 5*l*. 7*d.* to 6*d.* c.i.f. has been paid. Lampong is 6*l*. 4*d.*

Tellicherry 7*l*. 2*d.* and Aleppy 6*l*. 2*d.* per lb., all spot. *White* pepper, after being firmer, closed dull, with spot sellers of Muntok at 1s. 3*d.* November-January shipment has been sold at 11*l*. 3*d.* to 1s. 0*l*. 6*d.* to 1s. c.i.f. *White* Singapore is 1s. 2*l*. 4*d.* spot, and for October-December shipment sellers ask 11*l*. 4*d.* c.i.f.

SARSAPARILLA.—In view of importations and the absence of public auctions, prices tend easier. Good grey Jamaica is quoted at 3s. 3*d.*, red native Jamaica at from 2s. 3*d.* to 2s. 6*d.*, Lima-Jamaica at 3s., and Honduras at 4s. 3*d.* to 4s. 6*d.* per lb. Arrivals comprise sixty-three bales of native Jamaica. The stock in Cutler Street drug warehouses on October 25 consisted of 203 bales grey Jamaica and Lima, 254 bales red and yellow native Jamaica, 161 Honduras, and 103 Mexican, making a total of 721 bales.

SENEGA is easier, with spot sellers at 7s. 6*d.* per lb., and probably a trifle less.

HELLAC has been quiet throughout, the spot value of usual standard TN Orange quality being 640*s.* per cwt.; fine lemon is 750*s.*, fine second 700*s.*, pure button 725*s.*, Kala 460*s.*, AC cakey Garnet 540*s.*, and IG 480*s.* Futures show little change on balance of the sales including December delivery at 550*s.* to 560*s.*

SCILLI has been selling at cheaper prices of late, pale offering at 50*s.* and ordinary at 45*s.* per cwt.

TURPENTINE.—There has been a great deal of activity in American spirit, which has fluctuated to below 120*s.* per cwt. for spot and near positions, and only little forward interest is at present in evidence. Dealers hesitate to undertake new engagements until the outlook becomes clearer. The want of confidence is apparent from the fact that the premium on distant spirit has lately almost disappeared.

VERMILION.—English makers' prices were reduced on Friday last to 5s. 4*d.* to 5s. 7*d.* per lb. net, as to quantity.

Pharmaceutical Chemicals.

There has been a slightly better inquiry in this section, and buyers have been more inclined to secure bargains when they are offered. Potassium bromide has shown a little more activity at the low prices prevailing; sodium bromide is rather cheaper; and ammon. is flat. Sodium salicylate, hydroquinone, methyl sulphonal, benzoic acid, cocaine, hexamine, phenazone, resorcin, sulphonal, lithia carbonate, milk-sugar, and barbitone are all more or less cheaper.

ACETANILIDE is easier at from 3*s.* to 3*s.* 3*d.* per lb. as to quantity.

ASPIRIN.—Several of the English makers quote 4*s.* 9*d.* per lb., and up to 5*s.* for small lots. Second-hands quote a trifle less; demand is quiet.

BARBITONE is easier, importers offering at 21*s.* to 20*s.* 6*d.* per lb.

BENZOIC ACID ex toluol is offered at 2*s.* 8*d.* per lb. in barrels, being cheaper.

BROMIDES.—Potash has been in slightly more inquiry, and in small lots 1*s.* 4*d.* per lb. will buy granular or crystals. Ammon. is 1*s.* 9*d.*, and soda 1*s.* 8*d.* to 1*s.* 9*d.* per lb.

Caffeine.—Pure crystals are offered by importers at the easier rate of 42*s.* per lb.

CITRIC ACID continues very weak, and in view of the large stocks holders quote from 3*s.* 4*d.* to 3*s.* 6*d.* per lb., but there is very little demand.

COCAINE is easier, hydrochloride offering at from 19*s.* to 20*s.* per oz., according to quantity.

CREAM OF TARTAR is flat at prices varying from 220*s.* to 230*s.* per cwt. for 99 to 100 per cent. powder.

HEXAMINE is about 6*d.* per lb. cheaper, dealers offering at from 13*s.* to 13*s.* 6*d.* per lb.

HYDROQUINONE is easier, importers offering at 8*s.* per lb. and 8*s.* afloat.

LITHIA CARBONATE is slightly easier, American make offering at from 8*s.* 3*d.* to 9*s.* per lb., as to quantity.

METHYL SULPHONAL is easier, importers offering at 33*s.* per lb. in small lots.

MILK-SUGAR is easier, B.P. quality offering at from 175*s.* to 185*s.* per cwt. according to quantity.

PARAFORMALDEHYDE is cheaper, finest powder offering at 6s. per lb. on the spot.

PHENACETIN is offered down to 12s. 6d. to 12s. per lb., according to quantity and seller.

PHENAZONE is cheaper, B.P. offering at 14s. 6d. to 13s. 6d. per lb., as to quantity.

RESORCIN is cheaper, B.P. quality offering at 15s. 6d. per lb.

SALICYLATES.—Sodium-salicylate powder is rather cheaper, kegs offering at 3s. and smaller lots up at 3s. 3d. per lb., and for crystals 4s. is wanted. Salicylic acid continues weak, sellers quoting from 2s. 4d. to 2s. 9d. per lb. as to quantity.

SALOL has been selling at about 4s. 6d. per lb.

SANTONIN.—The *Alipore* has brought 32 cases (1,600 kilos.) from Karachi. In view of this arrival a considerable decline in price is anticipated, but the rates have not yet been officially fixed. Fuller details will be given next week.

SILVER NITRATE.—The price of crystals on October 27 is based on a metal price of 52s. 3d. per oz. In quantities of 25 oz., 3s. 2 $\frac{1}{4}$ d.; 50 oz., 3s. 1 $\frac{1}{2}$ d.; 100 oz., 3s. 1 $\frac{1}{4}$ d.; 250 oz., 3s. 0 $\frac{1}{2}$ d.; 500 oz., 3s. 0 $\frac{1}{4}$ d.

SILVER PROTEINATE is offered at 16s. 2d. per lb.

SULPHONAL is about 2s. per lb. cheaper, importers offering at 30s. 6d. per lb.

TANNIC ACID is about 6d. per lb. lower, B.P. leviss offering at 7s. to 7s. 6d. per lb. as to quantity.

TANNIN ALBUMINATE is offered at 3s. 3d. per lb.

TARTARIC ACID has a firmer tendency, and all the cheap parcels have been disposed of, from 2s. 6d. to 2s. 8d. per lb. being the lowest, as to quantity.

THEOBROMINE.—Competition between makers has eased the price of pure to 25s. to 27s. 6d. per lb.

VANILLIN is quiet, and slightly easier at about 61s. per lb.

Heavy Chemicals.

The "open" market in heavy chemicals continues very much on the quiet side. Holders of stocks find great difficulty in obtaining an opening for their supplies, although in many cases they are offering at a considerable loss. Prices, as a whole, remain about the same as last week, but there is a general downward tendency. Home trade, owing to the coal strike, is inactive. Export trade, for which there is very keen competition, is fairly good, but not up to the average. Owing to the shading of prices by weak holders it is difficult to define what are actual market values at the moment.

ACETIC ACID has declined, and the tone of the market is weak, and little business passing. Glacial is offering at 95l. Technical, 80-per-cent., at 74l. to 79l.; and pure, 80-per-cent., at 77l. to 80l.

ACETONE is inquired for and quoted at about 106l. per ton.

ALUM.—Lump in casks is fairly steady, but quiet at about 20l. per ton.

BARIUM CHLORIDE has eased to 26l. per ton; white crystals are freely offered at this figure with very little demand.

BARYTES remains very steady, with a moderate business at 15l. for best white down to 6l. 10s. for grey.

BORAX.—The makers inform us that there are ample supplies of borax to satisfy the demands of the home trade. Borax crystals for consumption in this country are being sold at 41l. per ton and powder at 42l. in bags. B.P. quality is 4l. per ton more. *Boric acid*, however, is scarce at present on spot, prices being, for crystals, 74l. and powder 76l.

COPPER SULPHATE is still being inquired after, but actual business is so far small at 42l. and 41l. per ton, in casks and bags. There is a quiet demand for home and export, and makers' terms have remained much the same as before, varying between about 40l. to 42l. f.o.b. Liverpool for casks, less 5 per cent. The home make is now comparatively small compared with what it was before the war, and this is chiefly the outcome of the remarkable expansion of the Italian industry, whose keen competition accounts for the rather poor prices current.

EPSOM SALT is in good supply, but the market is quiet, commercial quality in bags offering at about 12l. per ton.

FORMALDEHYDE remains on the quiet side, and has again eased; some holders are not quoting, and others quote about 230l. to 250l.

GLAUBERS' SALT is in fair demand, and steady at about 8l. to 8l. 10s. per ton.

"H" Acid is steady at 11s. 6d. per lb.

LEAD ACETATE remains unchanged at 73l. for white crystals and 72l. for brown broken; the demand is small. Best white crystals in 5-cwt. casks offer at 77l. per ton.

LEAD PRODUCTS.—There is not much improvement in the demand either for oxides or white-lead, while the supply of the latter is now developing in excess of currency demands. Considerable quantities have been coming forward lately from North America and Canada, and the outlet, as usual at this time of year, tends to diminish. Late last week the price of dry white-lead was raised 15s. and that of white-lead in oil by 30s. a ton for export to 63l. 10s. and 72l. 5s. respectively f.o.b. There has been no change in the case of red-lead or litharge, for which the demand is on the quiet side. The outlook in raw material has become tighter, chiefly due to rather short arrivals, but there is plenty of metal held in reserve, which, however, is under strong control.

LITHOPONE is lower, and the market is quiet. Red Seal, 30-per-cent., is about 41l. to 42l., and Green Seal about 46l. to 48l. per ton.

NAPHTHALINE is fairly steady, crystals offering at 46l. and crude in bags at 14l. to 24l., but only limited business is passing.

OXALIC ACID is weak, and is likely to fall further; present quotations average about 2s. per lb. : to arrive 1s. 10d. c.i.f. is quoted. There is only a small demand.

POTASH BICHROMATE is being weakened by supplies from the Continent, which are offering at a slightly lower figure than the present one of 1s. 8d.; market is weak.

POTASH CAUSTIC is irregular and unsteady; some quotations are as low as 85l., with an average of 95l.; business is very small.

POTASH PERMANGANATE is in small demand, and supplies are good; weak holders are shading prices, which are now down to about 3s. 9d. per lb. for B.P. material and 3s. 2d. for commercial.

POTASH PRUSSIATE.—Yellow is 1s. 10d.. and red 3s. 4d. per lb.; market is quiet.

SALT CAKE is inquired for, and some business has been done in the region of 16l. per ton.

SODA BICARBONATE is on the quiet side, refined offering at about 12l. 10s. to 13l. per ton, but there is not much demand.

SODA BICHROMATE has fallen to about 1s. 1d. per lb., with small inquiry. Imports from U.S.A. are large.

SODA CAUSTIC is down to 30l. per ton for English 70- to 72-per-cent., and is quiet.

SODA CRYSTALS are quieter; spot parcels are on the market at 10l. per ton f.o.b.

SODA HYPOSULPHITE is steady. Pea crystals continue in good demand, and supplies are scarce at about 37l. to 38l. per ton.

SODA PRUSSIATE is in fair supply, and offering at about 1s. 1d. per lb., but the demand is small.

SODA SULPHIDE has eased to about 40l. to 42l. for 60 to 62 per cent., and is quiet.

SODA SULPHITE is lower at 46l. per ton for the anhydrous 60 to 62 per cent., on a quiet market.

Essential Oils Market.

ALTHOUGH there is as yet no material improvement in the position, prices are in the main being well maintained. The market, however, is essentially in favour of buyers who are able, as a result of the continued small demand, to induce holders to sell, in many cases, at below the nominal quotations. Fair arrivals have been taking place, but these are generally against actual orders, for importers are not inclined to enter into commitments in the present unstable condition of trade. Stocks of certain articles, such as white camphor and gingergrass oils, are extremely low. Geranium oils have also been scarce, and a sudden improvement in the spot position is reported. On the

other hand, several articles have declined slightly in value. Included among these are star anise, cassia, Ceylon citronella, and Japanese mint. Sicilian orange is quite flat. There were few transactions last week either in Sicily or Calabria, and, as the rate of exchange is still going against Italy, prices of most oils have declined slightly at the source. Sassafras oil has been shaded on spot. Coriander oil is lower, and fair arrivals of patchouli have improved the buyers' position. Synthetic articles are still very unstable, but there is very little interest being taken in them. Heliotropine, methyl anthranilate, and phenyl ethyl alcohol are cheaper.

ANISE STAR continues dull and easier, with spot sales of "Red Ship" brand at 3s. 10*1/2*d. per lb., but the general quotation is 4s.

BAY.—West Indian is unchanged and quiet at about 26s. per lb.

BERGAMOT.—The firm tendency on spot is well maintained, holders quoting 34s. to 35s. per lb. for 37-38 l.a.; for forward shipment about 35s. is now the value.

A Palermo advice, dated October 21, states that the local speculative movement, having found little encouragement from actual consumers, the position is somewhat easier again.

CAJUPUT.—Spot holders quote the nominal price of 3s. 6d. per lb. The exports from Macassar during April 1920 amounted to 380 kilos., against 438 kilos. in April 1919. The total exports from January to April 1920 amounted to 9 600 kilos.

CASSIA.—Quotations are easier at 7s. 4*1/2*d. per lb. for 80 to 85 per cent. c.a., but there is very little business passing.

CINNAMON.—Ceylon leaf is unchanged, with spot offered at 9d. per oz.

CITRONELLA.—Ceylon is slightly easier in the absence of demand, and 2s. 3d. to 2s. 5d. would buy spot, according to quantity. Offers of round lots at 2s. 4d. have not been accepted. Java is unchanged at 5s.

CORIANDER.—There seems to be considerable competition, and prices tend lower for foreign distilled on spot at 100s. to 110s. per lb. For prompt shipment 100s. is quoted. For prime English 127s. per lb. spot is about the price.

EUCALYPTUS.—Most of the cheaper parcels available at round about 3s. per lb. have been disposed of, and a small business has been done up to 3s. 3d. for 70 to 75 per cent. cineol. The Port Hacking has brought 322 cases from Sydney to London.

FENNEL.—Spanish sweet is unchanged at from 8s. to 9s. per lb. spot, according to seller.

GERANIUM.—Algerian and Bourbon appear to have been in fair demand and are firmer. Offers of 40s. to 41s. for Algerian have been refused, holders asking 42s. 6d. to 43s. 6d. Bourbon on spot is quoted at 40s. 6d. to 41s. per lb.

LEMON remains dull and steady, with spot nominally at 5s. 9d. to 6s. C.i.f. quotations are weaker at about 5s. 9d. to 6s. per lb.

Palermo reports on October 21 that the speculative movement has again given way, and the market has been generally inactive. As consumers do not seem so far to take any interest, so as soon as local speculators retired there have been no buyers. It may, therefore, be possible, to save something on the top figures which were paid a week or ten days ago. The position, however, remains very uneasy. The foreign exchange rates having advanced again, prices can be reduced.

LEMONGRASS is nominal at 8d. per oz. spot.

LIME.—West Indian distilled is flat, with the nominal spot value at 4s. 6d. per lb. Hand-pressed is unchanged at 23s.

MINT.—Japanese dementholised is quiet and easier, with spot sellers of Kobayashi-Suzuki at 6s. 4*1/2*d. per lb., closing on Wednesday with sellers at 6s. 3d.

ORANGE.—Sicilian sweet on spot seems quite neglected, and prices show considerable irregularity. Parcels of Sicilian are offered at from 17s. 6d., according to seller. For shipment quotations are mostly below 20s. per lb. Bitter to arrive has been offered at 14s. 6d. c.i.f.

According to Palermo some early pressings have already been started, although on account of the drought there has been some delay in the development of the fruit.

PATCHOULI is lower on spot, with holders offering at 80s. to 85s. per lb. Spot sales have been made at about 80s.

SASSAFRAS.—American natural is on the easy side at 11s. 3d. to 11s. 6d. spot.

WINTERGREEN (SWEET BIRCH OIL).—Cable advice from New York gives the value as lower at \$5.50 per lb. On spot holders quote 37s. to 37s. 6d. per lb.

WORMSEED.—Small spot lots are obtainable at 62s. per lb.

Aromatic and Synthetic Chemicals.

COUMARIN is unchanged on spot at 24s. per lb. **HELIOTROPINE**, 100 per cent., is lower at 22s. per lb. for spot, and commercial variety is obtainable at 15s. **IONONE**.— α and β are obtainable at 90s. to 100s. for good quality. **METHYL ANTHRANILATE** is lower at 25s. for spot. **PHENYL ETHYL ALCOHOL** of good quality is offered at 65s. per lb.

French Lavender Oil.

A recent report from the South of France states that up to about ten days ago almost all the big firms in Grasse agreed not to push the price in the distilling district, and at that time the average amount paid was about 235fr. per kilo. for good lavender, 35 per cent. esters, but a few smaller firms did not keep to the agreement, and just when the most important "fairs" will be opening they show an inclination to pay a higher figure than that agreed upon. In these conditions the price may be expected to advance.

Hamburg Drug and Chemical Market.

"The Brussels clouds of talk have now dissipated, and have only allowed a very hazy glimpse at the sun of hope" is the opening remark of a market report for the second half of October, issued by a Hamburg drug-house. "Economic Europe stands in need of American capital, but the American financial magnates make it very clear that they will only assist Europe when work, economy, and a spirit of conciliation have been re-established. The German will to work, and with it the credit of Germany, must first be stimulated. Figures are unimpeachable witnesses, and the recently published amounts of the increasing load of Germany's debts are very conclusive, and it might be imagined that the moment had now come when Germany must awake. Unfortunately, political animosity has so obscured the minds of the people that sound and logical reflection, and particularly businesslike considerations, are not indulged in."

"In the drug and chemical market the home trade was satisfactory and brisk, although in many instances the amounts ordered were rather small. The increasing export trade takes the form of larger quantities, and is principally limited to heavy chemicals; exports of fine chemicals have declined of late. A remarkable feature may be specially noted: the depreciation in the value of the mark has scarcely influenced prices, even for export, and the latter fact points to an excess of stocks abroad."

The following prices, in marks per kilo., are for original packages; post parcels entail extra charges. Prices for export are higher by about 5 to 10 per cent. in consequence of the export levy and sundry charges:

ACETANILIDE.—Demand is unsatisfactory, due partly to difficulties in connection with foreign import licences, so that the price has declined to m.56.

ALKANET Root.—The small harvest and good foreign orders have caused the price to advance to m.20, with rising tendency.

AMMON. BROMIDE is unchanged at m.37.

AMMONIUM CHLORIDE (white 98-100 per cent.) has not yet recovered from its low quotation of m.8. The increased demand during the winter months may improve the price, which for export is m.9.

ANISE.—Spanish was in more demand, and, owing to scarcity, spot has advanced to m.20, gross for net. Inferior Evangeline is still obtainable at m.18.

ANTIPYRINE is firm at m.340; supplies are not plentiful.

ASPIRIN.—Genuine is in small demand at m.330, and no transactions of importance have been made. Acetylsalicylic Acid: Since the makers reduced the price to m.100 dealers are offering at m.95 to m.90, naturally at a loss.

BALSAM PERU.—The first direct consignment of genuine balsam for several years has now arrived, and is finding considerable interest at m.425.

BENZALDEHYDE, almost free from chlorine, for foodstuffs, is in good demand, and m.85 is being maintained, although makers' supplies are scarce.

BENZOIC ACID is unchanged at m.59.

BORAX.—Consumption has largely increased, particularly

for industrial purposes. Since import licences are limited and the German currency has depreciated an advance in price must be reckoned with. Crystals fetch m.12.50 and powder m.13.

BORIC ACID is in brisk demand at m.22.50 for crystals and m.23 for powder.

CAFFEINE (PURE).—After a few purchases by Japan had been completed the price fell to m.900, at which it is scarce. Caffeine sodio-salicylate is comparatively cheap at m.500.

CAMPHOR (REFINED).—Small amounts of Japanese slabs have been sold at m.190, while large quantities of powder have been purchased for technical purposes at m.150.

CITRIC ACID is firm at m.90. In spite of the advanced season there is a brisk demand, while supplies are not plentiful.

COUMARIN.—A few home and foreign orders have advanced the price to m.460. Manufacturers' supplies are scanty.

CREAM OF TARTAR (99-100 per cent.).—Both demand and price have increased, and at m.38 it is being briskly sold, while supplies are not plentiful.

ERGOT.—Large orders for the home as well as foreign market have been supplied, and spot Spanish is obtainable at m.350. Supplies of German are very small.

GLYCERIN is unchanged at m.28, but the depreciation in German currency and the advance in price made by English refiners will soon make themselves felt here.

HELIOTROPINE is difficult to obtain at m.450.

HEXAMETHYLENENTETRAMINE is in demand by home and foreign buyers at m.260.

HYDROQUINONE has changed hands at m.175.

IODINE COMPOUNDS.—Two advances in price by manufacturers, following closely on each other, have scarcely affected the demand, and potassium iodide at m.340, sodium iodide at m.360, resublimed iodine at m.400, and iodoform at m.425, were obtainable appreciably below makers' prices.

Lycopodium is in good demand, but, owing to conditions in Russia, is very difficult to obtain; a small stock is available at m.350.

MASTICH is in regular demand at m.125.

MAGNESIUM CARBONATE.—Light precipitated has been in regular demand at m.13.50 in 50-kilo. cases, and shows a tendency to advance.

MENTHOL.—Small supplies have been immediately taken up, and it now fetches m.850 in cases, or m.875 for small amounts.

MILK-SUGAR.—Supplies are not plentiful, and the demand has been brisk at m.32. Higher prices may be expected during the winter months in view of the decreased production of milk.

OXALIC ACID was in demand by home buyers at m.40, while foreign buyers evinced interest at m.45.

PHENOLPHTHALEIN.—The dealers' quotation of m.140, which is below factory price, has received more attention.

POTASSIUM BROMIDE.—The demand has greatly declined, foreign orders being absent; spot supplies are therefore still obtainable at the low figure of m.32.

POTASSIUM PERMANGANATE is firm. Home orders are filled at m.55. Foreign countries have imported very considerable quantities, and the quotation for export is now m.65.

POTASSIUM SULPHOGUATACOLATE.—The demand has fallen off, but large speculative purchases at m.250 have taken place.

PYRAMIDON.—Genuine has aroused interest at home and abroad at m.700, as also pyramidon substitute at m.650.

QUININE.—Foreign buyers have offered to purchase at m.1,500, while the price for the German home market remains at m.1,450.

SALICYLIC ACID.—Dealers' quotation of m.60 remains stationary.

SALOL arouses only passing interest at m.110.

SANDARACH.—First quality tears are offered at m.72, and are very scarce.

SODIUM BENZOATE.—The autumn demand is still maintained, without influencing the price of m.56.

SODIUM BROMIDE has been in poor demand at m.37.

SODIUM SALICYLATE is still scarce at m.60.

TARAXACUM.—This year's harvest is apparently far below all expectations, so that home suppliers find it difficult to fulfil their contracts entered into before the new crop. It is scarce even at m.22.

TARTARIC ACID.—Important orders from overseas have led to considerable transactions, and have greatly depleted German stocks; consequently, in addition to a brisk home trade, a firm, upward tendency is apparent. Powder and granular are offered at m.56, while crystals are particularly firm and very scarce at m.60.

THEOBROMINE.—Sodio-salicylate has been recently in demand at m.500.

VANILLIN.—In spite of greatly increased value the sale has considerably improved, and the small amounts available are being absorbed by foreign countries.

VERONAL is in poor demand at m.550.

Another report from Hamburg, dated October 15, states that at the present moment the Hamburg exchange is very dull, the same as is the case with all foreign exchanges for produce, and the depression is everywhere attributable to the same causes. Speculators who, especially during the period of rising prices, were largely ignorant of the drug-trade, have now entirely retired from participating in this branch of business following the enormous losses when prices fell. In addition, until a few weeks ago, stocks were still held by financially weak persons, who were compelled to sell out at any price. Although a large proportion of these goods (so liable to vary in price) were acquired by financially sound firms, still it was found that there remained a number of even more shaky holders, who offered their stocks at lower rates in order to realise. For instance, acetanilide fell from 400 to 25 marks. However, as soon as "unloading" was disposed of prices improved, and to-day acetanilide is steady at 50 to 60 marks. But the disinclination to buy is still very great, and transactions in technical raw materials and colours, articles which are in daily request, are very limited. Business is quite dead in the speculative goods, such as potassium bromide, salicylic acid, etc., since stocks have been unloaded, and there is no new incentive to speculate. Trading is confined principally to chemicals for export: oxalic acid, formaldehyde, betanaphthol, sodium cyanide, potassium cyanide, etc., and pharmaceuticals such as pyramidon, veronal and substitute, aspirin tablets, quinine in bulk and in tablets. Stable prices now rule for these products, although the profit realised is very small, owing to their having been purchased at a time when prices were higher. There is no prospect of any change for the present, particularly since speculators, and also various branches of trade, are turning their attention exclusively to transactions on the rate of exchange, where it is possible to realise within a few minutes, and ascertain whether one has lost or benefited, whereas when dealing in goods there is at present very frequently no possibility of disposing of them, not even if they are offered at 50 per cent. below market price. Another reason which has deterred speculators has been the fact that recently, in spite of the rate of exchange advancing by 20 to 30 per cent. in one day, the quotations for goods have not only remained unaffected, but prices have actually declined. For the present we may reckon with quiet business conditions, certainly as long as foreign countries refrain from coming into the market again with large orders.

The Java Quinine Factory.

It is reported from Batavia that the directors of the Bandoengsche Kininfabriek of Samarang have decided to pay a final dividend for 1919-20 at the rate of 27½ per cent., and at the same time issue to each ordinary share of 250 florins nominal a 9 per cent. cumulative preference share of 1,000 florins. This transaction and an exchange of the profit certificates will bring the total ordinary and preference capital up to 4,000,000 florins.

Swiss Export Licences.

The Swiss Federal Department of Public Economy has issued a decree, dated September 7, authorising, as from September 15, under a General Export Licence (revocable at any time), the exportation of the undermentioned goods from Switzerland, without the necessity of an individual permit in each case: Castor oil, colourless, purified; artificial alimentary substances, such as somatose, nutrose, tropon, etc.; boric acid; chrome acetate; pyrolignite of iron (iron mordant); arsenite of sodium, liquid; sulphite and bisulphite of sodium; borax (borate of sodium); sal-ammoniac (chloride of ammonium); ammonia in aqueous solution (volatile alkali); oxalic acid, oxalate of potassium (salts of sorrel); sulphuric ether (ethyl ether); and acetic ether.

Camphor Substitutes.

The shortage of Formosa camphor has stimulated attempts to cultivate the camphor-tree in other parts of the world. Thus the United States Department of Agriculture has favoured plantations in California, Florida, and Manila, and also in Texas. Its cultivation in the Malay States and in Mauritius has been attended with some success. On the other hand, parcels of camphor have appeared on the London market, coming from Spain, prepared from rosemary and other essential oils.

The cultivation of *Ramona stachyoides*, *Artemisia trifolium*, and *Artemisia frigida* has been undertaken in California for the purpose of obtaining camphor. The essential oil of *Ramona stachyoides* has been found to contain 40 per cent. of camphor, while borneol is present in that obtained from *Artemisia frigida*. The essential oil of *Persea pubescens* also contains over 20 per cent. of camphor.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Proprietary Medicines Bill.

SIR.—We are receiving inquiries from time to time as to whether the Chemists' Defence Association is doing anything in regard to the Proprietary Medicines Bill. Will you kindly permit me to inform your readers who may be interested that a special meeting of the directors has been held, and that, among other amendments suggested, it has been decided to oppose the clause requiring registration of formulas? The directors are of opinion that the method suggested by the late John Umney to the Select Committee on Patent Medicines, which sat before the war, is preferable, and they have recommended that. It will be recollected that Mr. Umney's advice to the Committee was to content themselves with recommending registration of proprietary medicines containing scheduled poisons and dangerous drugs. Speaking from memory, I think he went so far as to say that he, personally, would have no objections to the proportions being required for registration purposes, and, as many of your readers will be aware, a law embodying a similar principle has been adopted in Canada. Yours faithfully,

W. JOHNSTON,
113 Temple Chambers, London, E.C. Secretary.

Prescription Pricing.

SIR.—The correct pricing of the mixture on which a complaint was made against Messrs. Boots (*C. & D.*, October 23, p. 50), according to the London Chemists' Retail Price List, was not 6s. 1½d., as quoted in the "Evening Standard," or 6s. in the *C. & D.*, but 5s. 1½d., including container, 4s. 10d. without. If it were calculated out on exact decimals Allen & Hanburys would appear to have had the correct price at 4s. 6d., *sine* container. It is interesting to note that the "Evening Standard" gave one of the members of the Tribunal the credit for saying that some chemists appeared to carry on their business as philanthropists. Yours truly,

THE EDITOR,
London Chemists' Retail Price List.

16 Priory Gardens, London, N. 6.

SIR.—The case before the City of London Profiteering Committee (*C. & D.*, October 23, p. 50), in which a complicated prescription was shown to have been dispensed at prices varying from 2s. 11d. to 5s. 9d., emphasises the necessity for a concerted effort to get uniformity of prices for dispensing-charges. In this case the actual cost as worked out by the Minimum Retail Price List is as follows :

	s. d.
Drugs	2 3½
Container	0 3½
Dispenser's time	0 7½
Establishment charges	0 3½

a total of 3s. 6d., so that to obtain 33½ per cent. on the selling price the customer should have been charged 5s. 3d., and the firm who dispensed the medicine for 2s. 11d. actually lost 7d. on the transaction. Now let us consider the bearing of this on the position of chemists under the Proprietary Medicines Bill; if this Act were to be rushed through as at present drafted, chemists would find themselves suddenly deprived of the sale of a large number of lines which have borne an average profit, and to make this loss good they will have to advance their charges correspondingly on the remaining lines, such as dispensing. At the same time the big stores will doubtless go on in the same way, running a dispensing department and charging absurd figures as a draw to customers, which they can do by making big profits in other departments. What will be the position of the pharmacist in such a condition of affairs? Yours faithfully,

ADVANCED. (23/10.)

An International Degree in Pharmacy.

SIR.—Attention ought to be paid to the suggestion of your correspondent, "Qui Hai" (*C. & D.*, October 23, p. 79), on the need for international recognition in pharmacy as in medicine. If your name is on the Medical Register you can practise not only in Great Britain and Ireland, but in Australia, South Africa, Canada, and any part of the British Empire. You can also practise—after some preliminaries, but without further examination—in Italy, Belgium, and Japan. But the position in pharmacy is now grotesque beyond belief. The patient and patriotic British taxpayer is now spending his money on the education of some 400 to 500 ex-soldiers—British and Irish—who are attending the schools and preparing for the examinations of the Pharmaceutical Society of Ireland. The object is, of course, to give them a chance of earning a living as dispensers. When, however, these men have become qualified as pharmaceutical chemists in Ireland many of them will seek employment in Britain, and, to their horror and to the horror of the Ministry of Pensions and of Labour, they will find that their qualification, on which the British Treasury has spent much money, is useless and unrecognised. The laudable efforts of the Army authorities to enable these men to earn an honest and useful living are rendered futile and void. It is, I submit, inconceivable and unthinkable that Parliament, if it were aware of the anomaly, would permit its intentions to be frustrated, and its benevolent bestowal of public funds to be in vain. It must be confessed that at one time the Irish Society was by no means keen on recognising the British qualification, thinking that it would be more profitable to preserve a little monopoly. This was, however, an employers' rather than an assistants' point of view, and now I think fairer, or wiser, or shrewder, or more far-seeing views will prevail.

Yours truly,

J. C. MCWALTER.

Progress in Education.

SIR.—I have read with much interest the letter by "An Apothecary" in last week's *C. & D.*, and should like to ask whether "An Apothecary" would explain what in his opinion should have been the position of the apothecaries' assistant to-day if he had moved with the times. I am under the impression he was the only person an apothecary could employ to dispense his prescriptions, and his qualification was the only one in pharmacy for a good number of years before the establishment of the Pharmaceutical Society and the passing of the Pharmacy Acts.

Yours faithfully,

INTERESTED. (24/10.)

SIR.—The letter of "An Apothecary" (*C. & D.*, October 23, p. 75) provides further evidence as to the lack of status of the English pharmacist compared with that of his Continental *confrere*. I also have been in French pharmacies and noted the marked difference in the general tone and position of the *pharmacien* from that of the pharmacist, and in one instance particularly so. I had arrived at a small place, not large enough to be called a town, and possessing only one pharmacy, which in England would have been a kind of general store, and on entering to make a purchase I caught a glimpse through a glass door that induced me to inform the proprietor that I was an English pharmacist, and to hint that I should like to see inside. The *pharmacien* was at once very courteous and affable, and showed me all over; he had a well-equipped laboratory, such as I had never expected to find behind a chemist's shop, and informed me that he made practically all his own preparations and also did analyses. In reply to his return questions as to our customs, I was obliged to confess that we generally bought our preparations ready made from wholesale houses, and that analysis was in the hands of firms or individuals who made a speciality of such work. I could see that I was considerably lowered in his esteem, but when I had to admit that we also sold soap, flypapers, white lead and paints, he looked positively horror struck. To his inquiries as to dispensing, I informed him that the doctors in our neighbourhood did all their own, and his only comment was short and to the point. "Who, then, certifies the cause of death?" The pity of it is

that in the actual practice of pharmacy, the English pharmacist, when he has had a proper apprenticeship, has been through the pharmacy schools, and has taken his qualification, is second to none; but, as your correspondent points out, he is obliged to deal in those lines which provide bread and butter, which pharmacy, pure and simple, under present conditions, does not do. I am aware, of course, that pharmacists have to a large extent exaggerated their own misfortunes in this respect; it is of no use bringing up again the old troubles of company pharmacy, horticultural poisons, by-laws, etc., but even to-day chemists are not united in their efforts, in spite of their complaining. To take a concrete instance. On turning over the pages of this week's *C. & D.* I see that at the meeting of the Bournemouth Pharmaceutical Association (*C. & D.*, October 23, p. 72) the complaint was raised that chemists were not marking the price on prescriptions as agreed. In Bournemouth, of all places, the dispensing doctor must be hard to find, so that the chemists there have a better opportunity than most of us to elevate the tone of pharmacy, and it illustrates my argument as to the want of unity when such an agreement as price marking is not kept. Or, whisper it gently, has it been found in practice to provide the next man with an opportunity for charging a little lower for the same mixture? In conclusion, I consider that the attempt at higher education is on right lines, but this correspondence has shown abundantly that until the conditions of working are tuned up to the same pitch it will not pay, and ultimately the question of solvency is what we all stand or fall by. Our motto should be, therefore, "Pharmacy for the Pharmacist, and Prescribing for the Physician."

Yours faithfully,
FRANÇOIS. (25/10.)

Women in Pharmacy.

SIR.—In the medical profession an embarrassing situation has arisen with regard to women doctors. During the war a great shortage of doctors was predicted, and women were urged to enter the medical schools as a patriotic duty. They responded to the call, and it is now found that there are so many women students that the medical schools cannot cope with them. Many of the medical women who have qualified are finding it far from easy to get suitable appointments, and the medical papers state that this difficulty will increase. The same position has arisen with regard to pharmacy, and, although the number in the retail trade is still not excessive, the inflow has been so rapid that the situation may be embarrassing in the near future. A large number of women are still employed in the Army, and practically the whole of "doctors' dispensing" is now in the hands of women. Female pharmacists are also largely employed in Poor-law and voluntary hospitals, and have displaced men to a great extent in these institutions. Formerly dispensing in doctors' surgeries and institutions was largely the perquisite of the retired Army "compounder." At present, owing to the great shortage of men in the R.A.M.C., these can all find employment in the military hospitals, which are now staffed almost entirely by civilians, or quasi-civilians, but what is going to happen in two or three years' time, when the R.A.M.C. really resumes functioning on pre-war lines? I predict serious unemployment for either men or women, and I suggest that this is a matter of practical pharmaceutical politics which deserves far more attention from "the powers that be" and the orators they produce on set occasions than higher education and degrees in pharmacy.

Yours sincerely,
QUI HAI. (27/10.)

Unemployment.

SIR.—There is unquestionably a great deal of unemployment, and among other causes may be mentioned the following: too many young women of the emergency type kept on since the war, and, I fancy, too many men of advanced years. The stores of the multiple companies still swarm with young women, and they are to be observed in nearly all pharmacies. Quite legitimate in many cases, without doubt, but not, I think, in all. It is a pity the

Benevolent Fund of the Pharmaceutical Society is in such a poor way, as with its aid some of our old men might be relieved of work which younger men might conceivably make more of. I know one of them with a small income which in 1914 might have been noticeable, but which in these parlous days is poor indeed—too much to make him eligible for the national old-age pension, and not enough to keep him. Consequently he has to keep on working. There should be more attempts to start "on one's own," and I for one should certainly strike out in any direction likely to bring in money. Some, I fear, have been led to believe that there are many openings in dentistry. Certain articles in the "Ladies' Columns," etc., have dealt with this kind of thing, but the fact is the dental profession is filled to overflowing with men able to do the mechanical part. Writing with some quite up-to-date experience of the subject, I should say that there is one good operator to forty-nine mechanics. If there are any smart, gentlemanly pharmacists who are good extractors I should advise them to specialise in fillings, especially gold. Let them also take a few lessons in mechanical dentistry and they will be a lot better off; but the lessons should be from a professional source. Many fail because they do not know how to handle the patient. One man will live "laborious days" and take thirty shillings, while another will with less trouble take nearly as many pounds. The post-graduate pharmacist is usually a man capable of almost anything; I should advise him not to be afraid to take on anything that turns up. Always he has the knowledge that his certificate is safe and may be useful sometime.

Faithfully yours,

COGNOSCENTI. (26/10.)

The Venereal Problem.

SIR.—Pharmacists will read with interest your note on preventing venereal disease (*C. & D.*, October 16, p. 63), in which you quote from the report of the Committee appointed at the request of the Association for Moral and Social Hygiene. I have since read the complete report and find that the inquiry has been carried out on independent lines, and the report generally takes the standpoint that the moral reformation of individuals is more likely to be brought about by voluntary methods than by compulsion, and therefore the Government is urged to improve and co-ordinate existing agencies, whether official or voluntary. It is clear, says the Committee, that in dealing with relations so intimate, so sensitive, and so individual as those of sex attempts to suppress vice by penal legislation can accomplish very little good. On the contrary, they have formed the opinion that such legislation increases immorality by taking away the hope and opportunity of recovery. "Indirectly by providing means of recovery and by the improvement of the general conditions of life the Government can do much. Individual and associated understanding and effort can do more." These two sentences supply the keynote to the report. The Committee strongly object to the prohibition contained in the Venereal Disease Act, 1917, as to treatment and advice, "because it goes beyond the penalisation of quacks, since it also prevents any pharmaceutical chemist from recommending or offering for sale any drug, etc., for the treatment of venereal disease." A chemist is not prohibited from prescribing for any other disease, and the Committee deprecate the expediency of treating venereal disease differently from other maladies in this respect. They recommend therefore the repeal of the provision, and insist that the prohibition of treating venereal infections except by qualified practitioners "is inconsistent with the freedom of research which is essential to scientific progress." The Committee are to be congratulated on their enlightened view, and it is difficult to understand why pharmacists have tolerated their present position under the 1917 Act. There is a large section of the educated community in this country to whom the pharmacy is still "the doctor's shop" and who will consult their pharmaceutical advisers on all minor medical matters, and no legislation can reasonably attempt to stop them doing so. If they were prevented from doing so they would be driven into the arms of the quacks, whose

extinction no medical ingenuity will ever be able to accomplish. The prescribing of the pharmacist is salutary nearly always, and the trained pharmacist is surely a far safer adviser than the uneducated layman. This report should strengthen the hands of the leaders of the craft if they have really at heart an improved status for pharmacists. It is surely illogical to preach progress in education to students when a qualified man, with perhaps a University degree, is classed with the quack by Act of Parliament in relation to the most important diseases of modern life. The Government have missed a great opportunity in not enlisting the aid of the pharmacist in their campaign against the greatest social evil of our time. Is it too late to do so now?

Yours sincerely,
COMMON SENSE. (26/10.)

Then and Now.

SIR.—With reference to the letter on "Medication in Malaria" (*C. & D.*, October 16, p. 73), may I call attention to a singularly interesting presidential address delivered by Sir William Hale White, and published recently? The speaker contrasted modern methods with those when the Medical Society of London was founded in 1773. It is somewhat startling to find that so comparatively recently no little attention was paid to the phases of the moon in relation to therapeutics, yet the physicians of that day understood the use of ipecacuanha and digitalis, and were able to apply them and most of the standard drugs of the modern pharmacy intelligently and successfully. Cinchona was extraordinarily popular for all manner of ills, and Sir William explains this by the well-known fact that malaria was then rife in many parts of Britain, although it had not yet been differentiated from a great variety of other conditions. In a percentage of cases the administration of cinchona, of course, produced a dramatically beneficial result, and we may well forgive its trial then as now in not a few febrile states not malarial in origin. May I again remind the pharmacist that these dramatic cures of the Georgian physicians were wrought by the Peruvian bark itself, and *not* by quinine?

Yours sincerely,
M.D., L.P.S.I. (26/10.)

The Use of Iodine.

SIR.—Some years ago, when managing a pharmacy in the Midlands, I made the acquaintance of a man who was the professional wicket-keeper to the county eleven, and at the time he was "laid off" with a damaged thumb, the result of his work, which, he said, "he expected would keep him off the field for several weeks." I have been reminded of this because quite recently I hurt my thumb in a curious way. I ought to have known better, but the fact is I had been putting together a small induction coil and was trying to push out the core, which had got tightly fixed inside the ebonite tube surrounding it. There was easy room for the thumb, and I was pressing on the end as hard as possible when the core suddenly loosened and shot out at the other end, and my thumb came with great force against the hard end of the tube. The skin was cut and the base of the thumb (the metacarpal region) was soon swollen and very painful. As I was due to go away for holidays two days later, I began to feel dismayed at the prospect of a rather helpless time. During that night the pain kept me awake though I got some relief by hot bathing. In the morning I thought of iodine, and, having a pot of ung. iodi denigrascens on the premises, applied some—first hot-water soaking, then an application of the ointment. At first the thumb was too tender for me to do more than gently smear the ointment on, but after several applications during the day I was able to massage the parts. The result was that by the second night the thumb was practically well, and I have felt no more pain. This little account may interest some readers, though of course the remedial effect of this unguent may be well known to others. I might add one more point—viz., I am not by any means a young man and able to throw off these mishaps quickly.

Yours truly,
VETERAN. (23/10.)

Legal Queries.

P. D. H. (24/10).—WINE-LICENCES.—Particulars of the method of obtaining wine-licences were last given in the *C. & D.*, 1919, p. 1424. It is too soon to repeat the details.

Canada (26/30).—As your apprenticeship to your chemist brother was not by indenture, you cannot sell "known, admitted, and approved" remedies unless they are duly stamped.

Dens (23/10).—Unless the name you propose to trade under is your own—Christian name and surname—you must register it under the Registration of Business Names Act, 1916 (see *C. & D. Diary*, 1919, p. 75).

A. E. S. (16/10).—A mixture containing less than 1 per cent. of creosote is not a poison within the meaning of the Poisons and Pharmacy Act, 1908. As a homologue of carbolic acid, it is only when solutions contain more than 3 per cent. of creosote that they become scheduled poisons.

E. A. B. (26/10).—SALE OF TABLETS CONTAINING COCAINE.—When tablets or pastilles contain less than 0.1 per cent. (one part in a thousand) of cocaine, the sale is not subject to restriction either under the Pharmacy Act or the regulations passed as emergency measures during the war. The matter is explained in the *C. & D. Diary*, 1920.

Lex (23/10) asks whether it is legal to buy German paper money in spite of the fact that the end of the war has not yet been announced. [Although the end of the war as a whole has not yet been announced, the end of the war with Germany has been notified, and it is legal to buy German paper money, or to engage in any other transactions with that country which would have been permissible before the war.]

Capiat (9/11).—"KNOWN, ADMITTED, AND APPROVED" REMEDIES.—The alternative methods of showing that a remedy is "known, admitted, and approved" within the meaning of the Medicine Stamp Acts are (1) an adequate declaration of the composition of the medicine on the label, and (2) a reference on the label to a published formula. The first method, is generally adopted for such preparations as extract of malt and cod-liver oil, the title being an adequate declaration of the composition. Some chemists prefer this method as the disclosure is less complete than when a reference is given to the full formula in a standard book of reference.

Cerniog (18/10) was engaged by A, as an assistant, about twenty years ago, and entered into a written agreement "not to open business, after leaving A's employment, within ten miles." A subsequently took B into partnership, and some years later sold the business to B. "Cerniog" is still in B's service, and asks whether the agreement referred to is enforceable? [Apart from the question whether B is in a position to enforce the agreement, we consider that the agreement is void upon the ground that the restriction is not limited as regards time, and is therefore unreasonable. In the recent case of *Attwood v. Lamont* the Court of Appeal decided that a similar restrictive clause was unenforceable in the case of the tailor-trade, and there is no reason to suppose that its validity would be upheld in respect of a chemist's business.]

J. R. (23/10) is tenant of business premises, in Ireland, under a verbal agreement which provides for its termination upon six months' notice. The landlord has recently sold the premises, and "J. R." asks whether the purchaser can compel him to leave the premises. [If the standard rent or the rateable value of the premises does not exceed 78/-, "J. R." is entitled to the protection of the Increase of Rent Act, 1920, until June 24, 1921, and in the meantime he cannot be compelled to leave the premises except by an order of the County Court made upon one of the grounds specified in the Act. In any case he is entitled to six months' notice to quit. We assume that the premises are used for business purposes only. The grounds upon which the purchaser might be given possession of the premises were given in the *C. & D.* of July 17, p. 58.]

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Appreciation.

From a wholesale and retail chemist (28/10) in the Midlands: "I am constantly finding THE CHEMIST AND DRUGGIST and the DIARY of great service in business."

Truss Experience.

Mr. H. M. Sutherland, Grimsby, replying to "Hopeful" (C. & D., September 25), advises our correspondent not to wear any contrivance which he may see advertised or sold for the cure or relief of the trouble. Mr. Sutherland's experience has been that there are too many metal parts—buckles, studs, etc.—on manufactured articles, the consequence being that the under-garments are chafed into rags. The best support is made as follows: "Get enough soft lamp-wick (2 in. to 3 in. wide) to go round the waist two or three times and bind the ends to prevent fraying. Pass this band round the waist fairly tightly and fasten ends by safety-pins. Take a sufficient length of wick, 1 in. or $1\frac{1}{2}$ in., form of one end a loop large enough to slip easily on the waist part, pass from the back down through the fork and up to the belt. Then make a good soft pad by folding a bit of flannel—old for preference—large enough to fit easily into the groin. The pad can be attached to the belt by being sewn on to a piece of wick the same width as the under scrap with a loop to pass the belt through, also a smaller loop to fasten to the under strap just tight enough for comfort. This contrivance can be worn day or night for months without inconvenience. It can be washed and dried in half an hour."

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. D. (13/10).—The price of copper sulphate is no longer controlled. It may be sold under the usual commercial conditions as regards profit.

H. C. R. (14/10).—The reports referred to in the C. & D., October 2, p. 67, are obtainable from the Stationery Office, Kingsway, London, W., or Wyman & Sons, Ltd., Fetter Lane, London, E.C.

J. H. E. (13/10).—There are no limitations on the advertising of a preparation for the relief or cure of pyorrhœa.

E. G. B. (Sweden) (12/10).—ALUMINIUM SOAP referred to in the article on egg-preserving in the C. & D., September 25, p. 85, is aluminium palmitate. It finds a use also for thickening lubricants and for waterproofing fabrics.

W. H. B. (11/10).—Watson's "Midwifery" is published by the Scientific Press, Ltd., 28-29 Southampton Street, Strand, London, W.C., at 6s.

S. J. W. (11/10).—SHOE-FINISHERS' INK.—The following formula is reputed to give a deep black colour to the edges of boot soles and to burnish well:

Logwood extract	...	...	3 oz.
Nitric acid	...	...	45m.
Ferrous sulphate	...	...	q.s.
Water	...	...	q.s.

Boil the logwood extract with 16 oz. of water in an enamelled vessel until dissolved, cover, and set aside for a fortnight. In a glass-stoppered bottle place 3 dr. of iron sulphate with sufficient water to dissolve it, add the acid, shake and add sufficient iron sulphate to saturate the solution. After standing a few hours decant the solution. To the logwood solution add from $2\frac{1}{2}$ to 5 per cent. of the iron solution, and stir for from five to ten minutes, when the mixture assumes a purple colour. The ink is then ready for use.

Lobelia (23/10).—SALE OF PHOTOGRAPHIC GOODS.—An article was published in the C. & D., September 11, p. 57, dealing with the sale of photographic apparatus and chemicals. Developing and printing plates and films for amateurs is dealt with fully in "The Official Handbook of the British Photographic Manufacturers' Association, Ltd." (Sicilian House, Southampton Row, London, W.C.).

S. P. G. & S. (Bombay).—The recipes you ask for are given in "Pharmaceutical Formulas" (C. & D. Office, 15s.).

Volti (18/10).—WORMS IN FURNITURE.—Fumigation with benzine vapour is a suitable treatment for worm-eaten furniture. This should be followed by soaking the part in a spirituous solution of mercury perchloride (60 gr. to 1 pint) to prevent re-infection. Tetrachloroethane spray is also recommended, but should be used in the open air as the vapour is injurious to the operator.

J. G. N. (29/25).—(1) ANTI-DIMMING PREPARATION FOR GLASS.—See C. & D., January 27, p. 78, and May 15, p. 76. (2) SOLDERING SOLUTION used by tinmen is made by dissolving zinc in hydrochloric acid until saturated, decanting, and adding a small quantity of ammonium chloride. We are not acquainted with the brand you mention.

H. D. T. (24/10).—DUPLICATOR INK.—The basis of the ink employed in the duplicator you mention is made as follows:

Glycerin	...	...	...	6 oz.
Honey	...	...	...	1 $\frac{1}{2}$ oz.
Black treacle	...	...	...	1 lb.
Sugar candy	...	...	...	6 oz.
Methylated spirit	...	...	...	4 oz.
Water	...	...	...	2 pints.

These ingredients are heated together (except the spirit) until a homogeneous mass is obtained. The spirit is used for dissolving the aniline black (about 1 oz. is required for the above quantity) or any other colour that is desired.

S. L. (23/10).—FACE ENAMEL.—According to Lucas ("Book of Receipts") the French enamels employed for the face are made of freshly precipitated moist zinc oxyhydrate (containing about 20 per cent.) with a few drops of glycerin, and perfume a sufficiency. This product leaves a finer film on the skin than when zinc oxide or calamine lotions are employed.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Oct. 15, 1870.

Cinchona in India.

The experiment commenced in India in 1862 had given every encouragement to the botanists engaged. The manager relates that the first trees, which had been planted out in August and September of that year, had attained heights varying from fifteen to twenty-two feet. These trees, he says, in July 1867, "are in the finest health, have recently been covered with bloom, and are now producing many millions of excellent seeds. Six hundred have been cut down for their bark to be sent into the market in order to test its commercial value. The seeds gathered last season have germinated freely, and have been extensively distributed. Reports daily reach us of their excellence, and the great number of young seedlings raised from them." From the latest account of the proceedings we learn how the infant has grown to be a Hercules, the gardens flourishing, and certain kinds have yielded extraordinary results. The benefits have extended to Burmah, Assam, Ceylon, Jamaica, and even to the regions of Mexico, near the cradle of the cinchona race. More particular interest may attach to the growth of such plants as the hop, the vine, and the cereals, these being under our immediate observation, but when we reflect that the stock of this invaluable bridle-plant has been indefinitely increased, the price of the bark reduced, and brought within the reach of the poorer classes, we shall be willing to accord our share of admiration to the skill of the botanists and all others engaged in an experiment of such vast interest by the introduction and cultivation of the cinchona in India.

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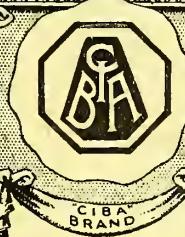
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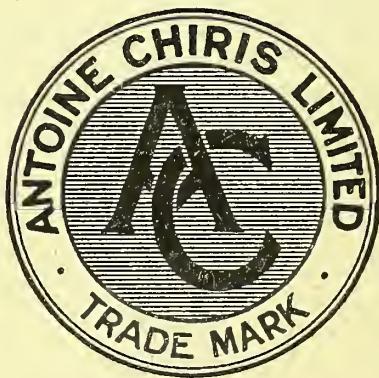
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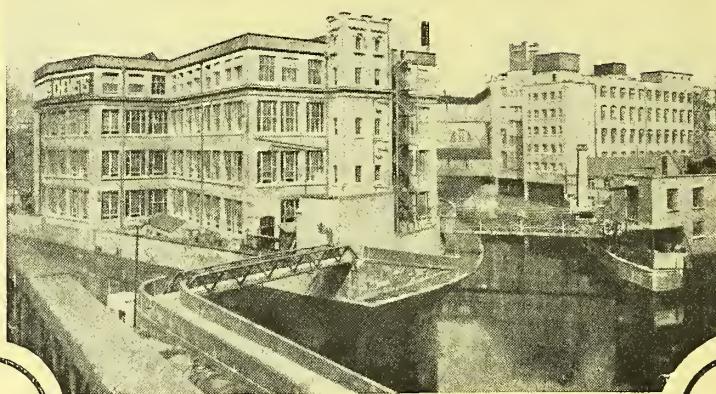
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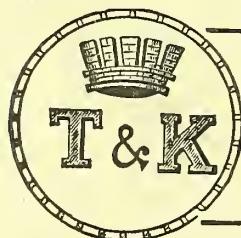
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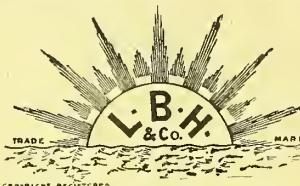
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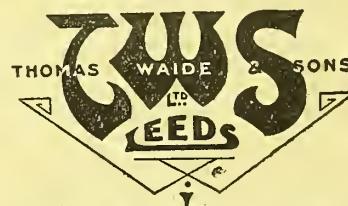
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Ammou. Carb. lump, 3 cwt. at 9d. lb.; 28 lbs.
@ 10½ d. lb.; 7 lbs. @ 1 ½ d. lb.; powder,
½ d. lb. extra.

Ammon. Chlor. 99% pulv. 1 cwt. @ 1 0/- cwt.;
7 lbs. @ 1/1 lb.; Batteries, 6/- cwt. extra.
Aniseed, English ground, 1 cwt. @ 130/- cwt.;
7 lbs. @ 1/2 lb.

Antim. Nig. Pulv., 7 lbs. @ 11d. lb.

Cetaceum, No. 1, fine white, 64 lbs. @ 1/11 lb.;
7 lbs. @ 2/- lb.; powder, 7 lbs. @ 2/4 lb.

Chloral Hydr. Cryst., B.P., 7 lbs. @ 8/6 lb.;
1 lb. @ 9/- lb.

Chlorodyne, 5 lbs. at 3/10 lb

*Chloroform, pure, B.P., 12 8-lbs. @ 5/- lb.;
8 lbs. @ 5½ lb.; 6 1-lb. bots. @ 6/- lb.

Ferri Ammon. Cit., P.B., 28 lbs. @ 5/7 lb.;
7 lbs. @ 5½ lb.

Ferri Carb., 14 lbs. @ 7½ d. lb.

Ferri and Quinine Cit. P.B., 100 ozs. @ 1/8 oz.;

25 ozs. @ 1/10 oz.

*Int. Aurant. Conc., 1 to 7, 6 lbs. @ 3½ lb.

* " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 3 5/6 lb.

* Buchu Conc., 1 to 7, 6 lbs. @ 6/- lb.

Paraldehyde, B.P., 1 lb. @ 6/9 lb.

Pepsin, B.P., 1 lb. @ 32/6 lb.

Phenacetin, P.B., pulv., 1 lb. @ 17/6 lb.

Phenazone, P.B., 1 lb. @ 0/- lb.

Soda Cit., B.P., 3 lbs. @ 1 lb.

" Sulphite, Recryst., 1 cwt. @ 37/- cwt.;

" 7 lbs. @ 5d. lb.

Soda Sulpho-arbols., B.P., 7 lbs. @ 2/10 lb.;

1 lb. @ 3½ lb.

Sodii Bromid. P.B., 7 lbs. @ 3 6 lb.

" Salicyl. Pulv., 2 lbs. @ 4/8 lb.

* Minimum quantity at these prices: Home Trade, 3 Winchester

Quarts assorted; Export, 12 Winchester Quarts assorted.

N.B.—In comparing prices it must be borne in mind that bottles and

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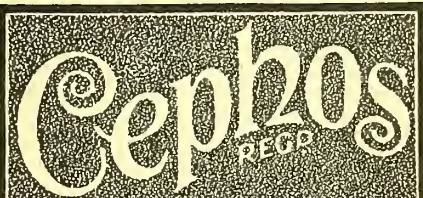
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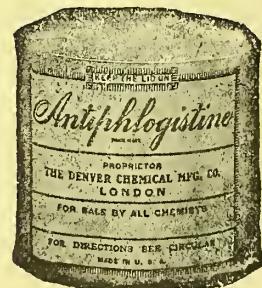
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HOOD
IT'S GOOD

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P.A.T.A. NOTICE.

113 Temple Chambers, Temple Avenue, E.C. 4.

October 30, 1920.

The following revised prices are now in force:

Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
Browning, The Wm., Co.'s Preparations:—		
2/- Semprolax (small size, approx. 8-oz.)	2/-	18/-
Quibell Eros., Ltd., Preparations:—		
1/3 Lysol and Novol (4-oz. bots.)	1/3	10/7
2/3 ,,, (8-oz. ,,) 2/3	2/3	17/5
3/6 ,,, (16-oz. ,,) 3/6	3/6	27/2
5/9 ,,, (32-oz. ,,) 5/9	5/9	45/9

Manufacturers of Toilet and Perfumery Articles of a Proprietary character, sold largely in the Drug Trade, are cordially invited to place these preparations on the Protected List. All enquiries on the subject to the Secretary will be promptly attended to.

KAY'S Compound Essence of Linseed

"LINSEED COMPOUND" (Trade Mar.)

and their other medicinal preparations.

REVISED PRICES

Old Retail Price.	New Retail Price (P.A.T.A.)	Wholesale Price in Great Britain (P.A.T.A.)
11½d.	- 1/3	- 11/3
1/3	- 2/-	- 18/-
3/-	- 4/6	- 40/6
5/-	- 7/6	- 67/6
12/-	- 18/-	- 162/-

Revised price labels to attach to existing stock will be forwarded on stating approximate quantity of each size required.

Every bottle of Kay's "Linseed Compound" is manufactured under the supervision of, and is distributed to the public by, Qualified Pharmacists.

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STOCKPORT

Miller's Musterole a Household Remedy.

For children's bruises and sprains, as for the more serious ailments that afflict their elders—aches of the back or joints, neuralgia, rheumatism, etc.—Miller's Musterole brings remarkably quick relief. Rubbed gently over the sore spot, Musterole penetrates and eases the pain almost at once.

Try Musterole yourself when next you have a cold. You will not hesitate to add your endorsement to that of many doctors and nurses the world over.

Musterole is like the old-fashioned mustard plaster in its effect—without the plaster, without the blister. Put up in a handy, white jar, advertised convincingly in a wide range of newspapers and magazines, both provincial and metropolitan, it has established a constantly growing demand. Order a stock to-day. Prices and full trade information on request.

Thos. Christy & Co., 4-12 Old Swan Lane, London, E.C.4.



Bishop's Caffeine

**BRINGS QUICK RELIEF
FROM HEADACHES**

Prompt in Action and quite Safe

A harmless and pleasant stimulant, and restorative for mental fatigue, lassitude, depression and brain fag. Dissolves with bright, sparkling effervescence.

Bishop's Magnesia

The ORIGINAL and STANDARD
for OVER HALF-A-CENTURY

*This was the first of all Granular
Effervescent preparations, and was
invented by Alfred Bishop in 1857.*

Unequalled for Purity and
Palatability and for keeping
Properties in any Climate.

A valuable Febrifuge, Antacid, and
Cooling Refreshing Draught.

**BISHOP'S MAGNESIA IS
SOLD THE WORLD OVER**

Bishop's Varalettes

THE MOST SUCCESSFUL REMEDY

FOR

Gout, Rheumatism, Rheumatic Gout,
Lumbago, Sciatica, Neuritis, Gouty
Eczema, Kidney Stone, Gravel, and all
Uric Acid Disorders.

**ALFRED
BISHOP
LIMITED**

**Specks Fields
48 Spelman St.
LONDON
E. 1.**

Bishop's Natural Fruit Saline

Makes a delightfully palatable
beverage; cools and purifies
the blood; clears the liver and
kidneys, and acts as a mild
aperient.

**KEEPS WELL IN ANY
CLIMATE AND IS A
READY SELLER.**

Minimum Retail Price—FACE VALUE.



W. T. Owbridge, Ltd., The Laboratory, Hull.

THE COMSTOCK SPECIALITIES
Dr. MORSE'S

INDIAN ROOT PILLS

Comstock's

Dead Shot
Worm Pellets

Comstock's

Nerve & Bone
Liniment

THE W. H. COMSTOCK CO. Ltd.

SOLE PROPRIETORS:
21 FARRINGDON AVENUE, LONDON, ENGLAND.

BEECHAM'S PILLS

WHOLESALE PRICES.

Beecham's Pills :

1s. 3d. size	...	...	...	...	10s. 6d. per doz. net.
3s. 0d.	"	...	...	...	26s. 6d. "
5s. 0d.	{ new size	...	...	...	50s. 0d. "

contains double the quantity of 3/- box.

Beecham's Cough Pills:

1s. 3d. size	...	...	...	...	10s. 6d.
3s. 0d. "	...	...	...	...	26s. 6d. "

Orders : Minimum quantity £5 value—approximately. | Packages FREE. Carriage PAID.

These Prices are the lowest no matter what quantity is ordered.

TERMS: CASH WITH ORDER.

Cheques to be made payable to THOMAS BEECHAM, and crossed "Parr's Bank, Ltd., St. Helens."

DAISY SALES are EASY SALES

And your profit is 50-100%

EVERY customer who comes into your pharmacy knows Daisy as an old friend—27 years of continuous advertising has made Daisy known and trusted everywhere. Everyone who asks you for a headache or neuralgia cure has Daisy at the back of his mind, and simply to show him the box will make a profitable sale. Daisy is always half sold.

A great point about Daisy to-day is its wonderful VALUE—we pay FIVE TIMES as much as is usual for our ingredients, so the public get 550 % extra value for the extra $\frac{1}{2}$ d. they pay.

This point we are driving home in big advertisements in the country's most powerful papers—papers with a circulation exceeding

SEVEN MILLIONS PER WEEK

The "Sunday Pictorial," with its nearly three million readers ; "The News of the World," with over three millions ; "The Sunday Chronicle," with over a million ; as well as the chief evening papers of Ireland and Scotland, will all carry this Daisy advertising regularly for the next six months.

A greater demand than ever for Daisy is certain—your customers will want it—and we shall be obliged if you will see that you have an adequate stock of this high-class, well-advertised, high-profit line.

Send us your order or write your wholesale house to-day.

1/- Packets each containing 8 Powders.—Minimum Retail Price, 1/-; Sample Powder, 2d. For not less than 1 doz. boxes, 9/9 per doz. For not less than 3 doz. boxes, 9/2 per doz.

2/3 Packets each containing 20 Powders.—Minimum Retail Price, 2/3. For not less than 1 doz. boxes, 21/6 per doz. For not less than 3 doz. boxes, 20/6 per doz.

Daisy Tablets, 1/3 Tins each containing 25 Tabs. 1 dozen tins, 13/- per dozen. 3 dozen tins, 12/6 per dozen.

Mixed Orders for 1/-, 2/3, 6/- size and for Daisy Tablets on best terms.

Discount 7½ per cent. for cash.

Carriage paid to Destination.

DAISY LTD., LEEDS.

TWO SIZES ONLY.

DR. J. COLLIS BROWNE'S CHLORODYNE

Prices and Terms:

TRADE:

Minimum Retail Price	....	....	1/3	3/-
Price (<i>per dozen</i>)	....	....	12/3	30/6

Discount 5 per cent. on £1 worth, $7\frac{1}{2}$ per cent. on £5 worth and upwards.

Packages charged at cost, and are not returnable.
Carriage forward.

Terms: Cash with order. Most Wholesale Houses supply on equal terms, so please order with your other goods.

Dr. J. Collis Browne's

Chlorodyne

is on P.A.T.A. Protected List, & must not be sold below the prices named above.

J. T. DAVENPORT, Ltd. Proprietors,
117 Union Street, London, S.E.1

COMPOUND SULPHUR TABLETS

Containing Sulphur B.P., Cream of Tartar, Refined Sugar, Orange Flavoured, Guaranteed Pure.

Packed in 7-lb. Counter Boxes 2/2 per lb.



BISMUTHATED MAGNESIA TABLETS

Antacid and Refrigerant.

Packed in 7-lb. Counter Boxes 3/- per lb.



"DETERGOL"

An Ideal Antiseptic Deodorant

No. 1 - 7/6 per gallon.

DISINFECTANT

Contains 20% more Cresol than any other similar preparation. Surgical Instruments can be safely sterilised and disinfected in a few seconds without danger of corroding by using "Detergol." Used by the Medical Profession for fourteen years.

"DETERGOL" No. 2 - - 4/6 per gallon.

For ordinary disinfecting purposes. miscible in water.



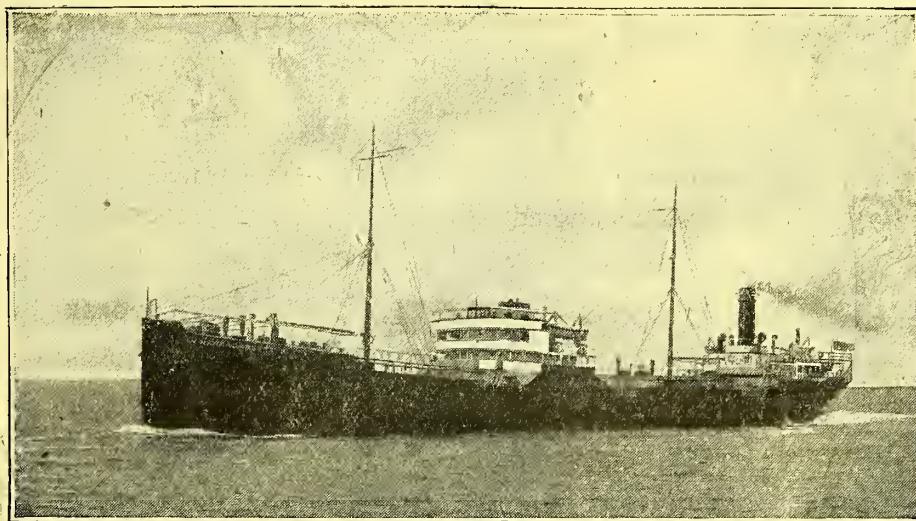
Carriage Paid on orders of £5 and upwards in the U.K.

TABLETS, PILLS, etc., and CHEMICAL AND MEDICINAL PREPARATIONS of all descriptions

Manufactured by

HOUGH, HOSEASON & CO., LTD.

Wholesale Manufacturing Chemists - MANCHESTER.



Tank Steamer "NARRAGANSETT II."

Choice of Finest Materials

The Nujol Laboratories of the Standard Oil Co. are not restricted to one, or even several, producing centres for their raw materials. They operate the largest merchant fleet of steamers in the Western Hemisphere. The result is that the Nujol Laboratories are able to select for their product the finest crudes the world produces.

Nujol is produced in bright, cleanly, well-aired factories, where the strictest sanitary regulations prevail.

A corps of expert chemists follow the product through manufacture, and tests are made during the various processes for purity and viscosity. Get your share of Nujol profits. They are larger than the average proprietary. The first purchase leads to repeat orders because Nujol is a treatment—not a single dose remedy. Orders received now will have prompt attention.

Nujol

TRADE MARK

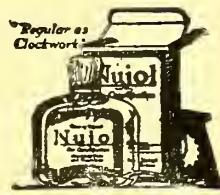
FOR CONSTIPATION

Made by the Standard Oil Co. (New Jersey), New York, U.S.A. If your wholesale house cannot supply you write to the sole distributors for the United Kingdom : The Anglo-American Oil Co., Ltd., Minerva House, Bevis Marks, London, E.C.3. For India: Muller & Phipps, (India), Ltd., Bombay, Calcutta, Madras.

WRITE FOR FULL PARTICULARS.

Full details of Special Free goods offers, also advertising and window display materials, on application to the

ANGLO - AMERICAN OIL CO., LTD.
MINERVA HOUSE, BEVIS MARKS, LONDON, E.C.3.



HEART

Breath Violets
 Cachou d'Amour
 Caressa (Registered)
 Dress Circle
 Eau de Cologne
 Hyacinth Pink
 Heliotrope
 Japanese Glory
 Jasmin
 Jockey Club
 Queen Mary
 Violets

SHAPE

Lily of the Valley
 Mixed Bouquet
 Moonlight
 Musk
 Opoponax
 Parma Violets
 Patchouli
 Pompadour
 Lavender
 Royal Nectar
 Sweet Kiss
 Wallflower

Killarney Violets

FLORAL CACHOUS

PREPARED FROM THE
 FINEST INGREDIENTS
 AND HIGH CLASS OTTOS

PRICE 3/- PER LB.

THIN
DIAMOND
SHAPE

Heliotrope	
Jasmin	Lavender
Jazz	Jockey Club
Lilac	Lily of the Valley
Mixed	Opoponax
Musk	Orange Flowers
Rosebuds	Parma Violet
Violets Blue	
Wild Rose	
Wallflower	
Zenana	

*All Cachous are sent
 in free 1lb Cartons,
 unless specially ordered
 in bottles or vases*
 HEART SHAPE SENT
 unless DIAMOND or
 SMALL ROUND specially
 ordered

SMALL
ROUND SHAPE

English Roses
 English Violets
 Red Roses
 Tea Roses
 Wood Violets

Manufactured by
POTTER & CLARKE LTD
LONDON & MANCHESTER

THE REDUCTION OF THE SUGAR RATION

AUTOMATICALLY INCREASES
THE DEMAND FOR

SACCHARIN TABLETS

We can supply all Sizes and Strengths
by return of post, and guarantee the
strength of all Tablets supplied.

*Prices, Samples and Special Quotations
for Large Quantities on application.*

C. R. HARKER, STAGG & MORGAN, Ltd.

Devon Wharf and Bell Wharf;
Emmott Street, Mile End, LONDON, E.1

Petroleum Jelly

**White, Yellow, Amber,
& Ruby Red, for all
Pharmaceutical and
Veterinary purposes**

**MEADE-KING, ROBINSON & CO., LTD.
LIVERPOOL - MANCHESTER - LEEDS.**

Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow and golden, for pharmaceutical purposes.

MANUFACTURED SOLELY BY

The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs and smaller packages according to requirements.

Inquiries are solicited for this article of **British Manufacture**, and buyers may rely that for quality and price, it will meet any competition.

Other Grades

Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"OLEUM DEELINAE," a certain cure for Eczema.

Phone: 186 Bootle.

Wires "Cestrian Liverpool."

**TECHNICAL AND MEDICINAL
WHITE OILS.**

PETROLEUM JELLIES.

PARAFFIN WAXES.

NEUTRAL OILS.

Debloomed and Undebloomed.

PALE & RED LUBRICATING OILS.

CYLINDER OILS.

W. J. SMITH, *SOLE EUROPEAN
REPRESENTATIVE,*
THE JAMES B. BERRY'S SONS CO. Inc.
110 Cannon Street, London, E.C. 4.

THE "NORTH-SEVEN" CASH TILL, IMPROVED MODEL.

Made from well-seasoned wood, polished Mahogany finish. Size 19 x 10 x 7½ in. Both lid and drawer fitted with lock. Recording paper 1½ in. wide. Automatic fly rings warning bell each time cash drawer is opened.

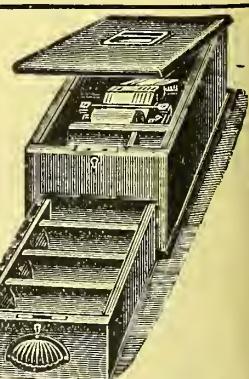
Price £5. 15. 0 each.

The "North-Seven" Till Coils, for use in above Tills, 6/- doz.

Sent on 14 days' trial, on receipt of Cash or two Wholesale Trade references.

**DUDLEY & COMPANY,
Holloway, London, N. 7.**

*City Showrooms:
25 WOOD STREET, E.C. 2*



Snow-white
"Semprolia"

PETROLEUM JELLY

SECURE profit and prestige by selling Snow-white "Semprolia." Advertised in all leading magazines and periodicals. Showcards and display material free on request.

50%

PROFIT
to Retailer

The Wm. Browning
Co. Ltd.,
Albert Works, Park
Street, N.W.1.



THE
BRITISH WAX REFINING
 COMPANY, LIMITED.

WHITE BEESWAX
YELLOW BEESWAX

Slabs, Bars, Tablets or Discs

CERESINE WAX

Bleached Carnauba Wax
 Carnauba Wax Residues

All Waxes Refined, Bleached and Manufactured at our Works, REDHILL, SURREY

Registered Office:

5 RANGOON ST., LONDON, E.C.3

Liquid Paraffin

B.P. 1914

"STERNS" B.P. Grade is guaranteed to be the finest quality of Liquid Paraffin produced. It has the patronage of the largest wholesalers, the recommendation of the Medical profession, and is used in the principal Hospitals in preference to all other kinds.

STERNS LTD.AD. 80, ROYAL LONDON HOUSE,
FINSBURY SQUARE, E.C.2.

SEND A POSTCARD TO-DAY
 FOR PARTICULARS OF THE
**AUTOMATIC GUMMED
TAPE PRINTER**

The Ideal Sealing Machine
 for Chemists and Druggists.

IT PRINTS AND MOISTENS THE
 GUMMED TAPE SIMULTANEOUSLY

PRINT YOUR OWN LABELS,
 - PRICE SLIPS, etc. -

R. A. Stephenson, Ltd.130 Queen Victoria Street,
 LONDON, E.C. 4.

ADEPS LANÆ, P.B.

THE FINEST BRITISH LANOLINE PRODUCED
IS MANUFACTURED BY

THE PHARMACEUTICAL LANOLINE CO.

Carnwath Road, Fulham, London, S.W.
WHO INVITE INQUIRIES.

METHYLATED SPIRIT

OILS AND CHEMICALS

*Buy from one of the oldest houses in the trade.
Write for Prices.*

Established 1794.

SAMUEL THORNLEY, Ltd., Birmingham.

ADEPS LANÆ B.P.

"ULTRAVI" Brand.

The Latest & Best.

— Inquiries Invited. —

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LIMITED,
Petersham Road,
RICHMOND (SURREY).

LANOLINE, B.P.

K. MALMBERG,
110 Cannon Street,
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AND AT NEW YORK.

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EUCALYPTUS OIL

B.P. 70/80 %

OLIVE OILS

All Descriptions.

LIQUORICE

Block and Sticks.

CASTILE SOAP

White and Mottled.

COD LIVER OIL

Medicinal and Cattle.

WE ARE NOW MAKING SPECIAL OFFERS OF ABOVE.
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STRICTLY WHOLESALE.

F. CHIESMAN & CO.,

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AVENUE { 63
6994 (2 lines)

Telegraphic Address:

"PALUSTRIS, LED, LONDON."

AND AT

LIVERPOOL, GLASGOW, BRISTOL, ETC.

DIAMALT

Plain and with 15% or 33% (by weight) COD LIVER OIL

DIAPARAFFIN

Malt Extract and Paraffin in Powder form.

DRY DIAMALT

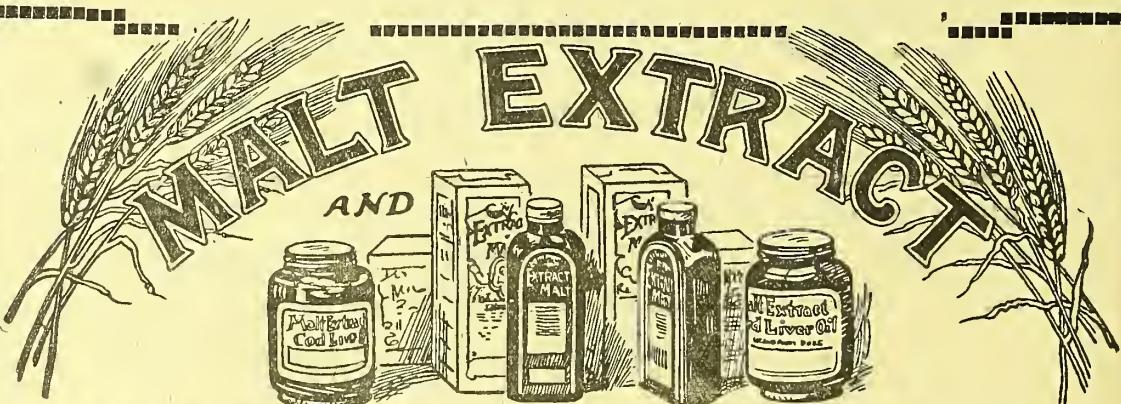
Diastatic Malt Extract in Powder form.

*The above Preparations are on the P.A.T.A. and allow a 25% margin.***EXTRACT of MALT**

Plain and in combination with

NORWEGIAN COD LIVER OILin
BULK - JARS - TINSName and Address on Labels for quantities of 6-doz. Jars or Tins.
(Selection of Labels sent if required.)**SAMPLES AND PRICES ON APPLICATION.****THE BRITISH DIAMALT COMPANY**

(Proprietors: H. A. & D. TAYLOR, LTD.)

Works and Head Office:
SAWBRIDGEWORTH,
HERTS.Northern Agency:
J. B. CROSSLEY, Arcade Buildings,
85 Lord Street, LIVERPOOL.**MALT & COD LIVER OIL**Prepared only from the Finest East-Coast Barley, combined
with the best Norwegian Non-Freezing Cod Liver Oil.Packed in Screw-Capped Jars, Bottles and Tins, holding 1 lb. and 2 lb. Neatly Labelled
and Wrapped. Customer's Name printed on Labels for Orders of 1 Gross and upwards.Telephones:
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(3 lines).**PERRY & HOPE, Ltd.**Telegrams:
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NITSHILL, near GLASGOW.

London Office: 1 LEADENHALL STREET, E.C.3.

Sensen's

ICE-REFINED

NORWEGIAN

COD LIVER OIL

IN TIN-LINED BARRELS.

GALLON DRUMS.

WINCHESTER QUARTS.

And in

5-oz., 10-oz. and 20-oz. Bottles

*Always in Stock in London.**Sole Proprietors—*

HERTZ & CO., 9 Mincing Lane, E.C.3

RUSSIAN

LIQUIPAR BRAND

LIQUID PARAFFIN B.P.

860/70, 870/80, 880/90,

In Original Barrels and Steel Drums of 40/50 Gallons, also

Odourless and Colourless

Brillantine Oils

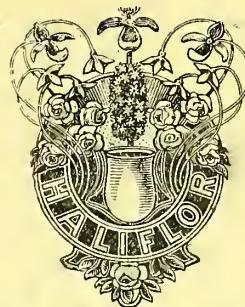
In 10-gallon Drums and Original Barrels of 40 gallons.

FOR IMMEDIATE DELIVERY.*For Samples and Prices apply to—*

HERTZ & CO.,

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WORKS & LABORATORY: 20 BEVIS MARKS.



HALIFLOR

NATURAL FLORAL ESSENCES

For Making Quadruple

PERFUMES

And for Perfuming

TOILET PREPARATIONS

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ONE-DROP ESSENCES

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DISINFECTING SPRAYERS

AND

ESSENCES

For Hospitals, Sick Rooms, Nursing Homes, etc.—

AND

Florozon Inhaler

(Patent No. 110718).

CHLORIDE of AMMONIUM.

For Nasal Catarrh, Bronchitis, Chest Complaints and Asthma.

Sole Proprietors:

HERTZ & CO.,

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Works & Laboratory: 20 Bevis Marks.

Telephone: 10607 Central. Telegrams: "Freshness, London."



Chemists' own Name and Address printed
on label on orders of 6 dozen upwards.
Season Contracts are NOW being booked.



MALT EXTRACT & COD LIVER OIL



The high Diastatic Power and Cod Liver Oil content (15% by vol.) in strict accordance with B.P.C. and N.H.I. requirements, and the finest Norwegian Cod Liver Oil only is used. H. A. & D. Taylor's Malt Extract has a fine rich flavour, and is prepared from the finest selected malted barley.

Supplied in SCREW-CAPPED, AIR-TIGHT Round AMBER JARS.

Specimen Labels on application.

Terms : Net Cash, Monthly a/c, Carriage Paid.

H. A. & D. TAYLOR, Ltd. MALT EXTRACT
MANUFACTURERS, LTD.

Head Office : SAWBRIDGEWORTH, HERTS.

Maltines at Sawbridgeworth, Bishops Stortford, Bury St. Edmunds, Newmarket, and Newark-on-Trent.

Northern Agency : J. B. CROSSLEY, Arcade Buildings, 85 Lord Street, Liverpool.

THE Maltine Company's specialities have been before the British Public for over FORTY YEARS, and are regularly advertised, and recommended by the Medical Profession

"Maltine" plain	"Maltine" with Iron
.. with Cod Liver Oil 50%	.. Hypophosphites
.. Castara Sagrada	.. Pepsin & Pancreatin
.. Creosote	.. Iron, Quinine & Strychn.
Maltine-Vermine.	

TWO SIZES—P.A.T.A. PRICES—25% DISCOUNT.

THE MALTINE MANUFACTURING CO. LTD. 183 Acton Vale LONDON, W.

BURGOYNE'S



**EXT. OF MALT
WITH
COD LIVER OIL**



**EXTRACT
OF
MALT**

*In AMBER JARS, fitted with PATENT
HERMETICALLY-SEALED CAPS*

Book your requirements NOW

**BURGOYNE, BURBIDGES & Co. Ltd.
EAST HAM ————— LONDON, E.**

Telegrams :
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CARVER'S TONIC SALTS

A COMBINED NERVE TONIC AND BLOOD PURIFIER.

Gives Renewed Health
and Vigour.

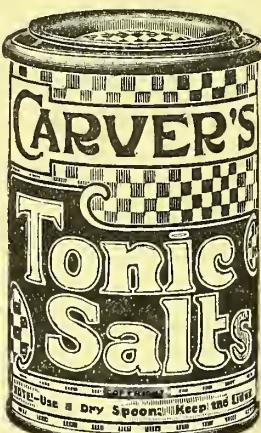
Attractively packed.

Shows 50 % Profit to you.

Price in gross lots,
per 100/- gross.

Carriage Paid.

Less Special Stocking
Bonus of 5 %



A scientifically prepared
Effervescent Saline,
possessing medicinal
properties superior to
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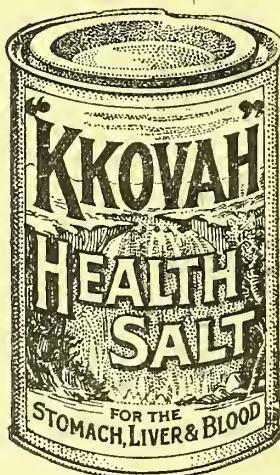
A FREE TIN

will be sent for your
personal trial on receipt
of application on letter
heading.

Sole Proprietors—

4 oz. Size Retailed at 1/-

JOHN CRAMPTON & CO. LTD. DEANSGATE,
MANCHESTER.



Kkovah
Health Salt

Makes you fit—keeps you fit.

The public know “KKOVAH”!

When you make a window or counter display of “Kkovah Health Salt” you’re not trying to sell unknown goods—it’s an old-established family aperient.

There is a constant demand for Kkovah—be in a position to meet it by ordering a stock to-day.

Prices and Terms for the asking.

Sutcliffe & Bingham Ltd., Manchester.



Have you a WINE LICENCE?

If not, you should take steps to procure one,
and we will pay the cost.

If you already have a licence we undertake to
pay the annual charge.



The only conditions are—

1. That you agree to give full display to Dr. Hale's Vin-Sanguis in your premises all the year round.
2. That you give us an agreed initial order.
3. That you keep Dr. Hale's Vin-Sanguis always in stock.

Advertising Matter and Doctors' Samples free.

Trans-Continental Agencies, Limited

Proprietors of
Dr. Hale's Vin-Sanguis.

14 Southampton Street, Strand,
London, W.C. 2.



Saint-Raphael

Tonic, Restorative,
Digestive Wine.

Known throughout the World,
and prescribed in all cases of
ANÆMIA, DEBILITY, and CON-
VALESCENCE, to Young Women,
Children and the Aged.

DOSE: One Wine-glass after the
two principal Meals.

Recommended by—
PROF. BOUCHARDAT, Professor of Hy-
giene, Paris Faculty of Medicine.
DR. MACNAUGHTON JONES, London,
England.

"For more than thirty years St. Raphael Wine has been exclusively prescribed, with success, in the Paris hospitals as a pure tonic, by eminent physicians, such as Magendie, Rostan, Chomel, Velpau, Requin, Monneret, Rousseau, Grisolle, Laennec, &c."—*Union Médicale*, May 8 and June 12, 1873.

"The 'Vin de St. Raphael' is often used for ladies nursing their own children; it is preferable to stout, which creates an unhealthy fat."—*The Lancet*, London, England.

"St. Raphael Wine is most precious in all cases where it is necessary to give tone to the system, without effort or shock."—DR. C. DES BARRES.

Cie du VIN SAINT RAPHAEL, Valence, Drome,
FRANCE.

To be obtained from all
Wholesale Druggists.

WE MAKE IN ENGLAND

GLASS BOTTLES

ESTABLISHED 1880.



WE import from our special
works in France and Belgium
all kinds suitable for Chemists,
Perfumers, Essence Manufac-
turers and all kindred trades.
We are in a position to give
prompt deliveries of reasonable
quantities in a reasonable time.
Prices on application.

STOCKS OF VARIOUS SHAPES & SIZES.

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LONDON, E.C. 4.

Telegrams—"Sennock, Cannon, London."
Telephone—Central 4799.

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OF

BEEF, MUTTON and CHICKEN

possess great nutritive and restorative powers, being immediately digested and absorbed by the stomach. Although effective stimulants in physical and mental exhaustion, they contain no wine or other deleterious admixture.

BRAND & Co., Ltd., MAYFAIR WORKS, VAUXHALL, LONDON, S.W.8

DIABETIC FOODS

Can you Supply Energen Gluten Foods

when the doctor recommends his patients to use them in their diet?

The ENERGEN FOODS are now being recommended by the Medical profession as they are the only ones that fulfil their requirements.



Packed in boxes, specially for Chemist's trade.

The most palatable and nutritious Gluten Foods on the market keeps perfectly

Manufactured in a model factory under periodical Medical supervision. Inquiries Invited.

THERAPEUTIC FOODS CO.
19c Roundwood Road, Willesden, N.W.10.

ALL CHEMISTS
SHOULD STOCK

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Over 40 years' Reputation.

"Abdine" is the most popular Health Drink, superior to all Mineral Waters. Sold in Packets, 2d. each.

Wholesale Prices on application. Sample Box 116.

B. MCGLASHAN, M.P.S., [Abdine Works, Westfield Road, EDINBURGH.]

HEALTH SALT

SUPERIOR
QUALITY.

4-oz. Decorated Tins.

1 Gross ...	78/-	5 Gross ...	77/-
2 " ...	77/6	10 "	76/6

Carriage paid.

W. FOX & SONS,

Wholesale
Botanic Druggists
CASTLE STREET, SHEFFIELD.

WINCARNIS

Sells readily ALL the time.

COLEMAN & CO., Wincarnis Works, NORWICH.

IMPORTANT NOTE
TO CHEMISTS
WITHOUT LICENCES

It has been established by law that Registered Chemists may sell "Wincarnis with Quinine" without a licence.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.

FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO. LTD.

The Largest Makers in the United Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St, Liverpool.

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.)

Prepared in strict accordance with the Formula of the British Pharmacopœia.

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street, LONDON, E.C. 3.

(Wholesale only.)

Virolax

(Registered Trade Mark)

THE NEW LAXATIVE FOOD

Extensive Advertising Campaign

AFTER prolonged and widespread clinical trial, both in Hospitals and by Medical Practitioners, we have decided to bring Virolax prominently before the Medical Profession.

We are addressing next week all the Medical Men in Great Britain and Ireland, and we propose to follow this up with free samples for trial.

This preliminary work will be followed up with large double column spaces in all the leading papers throughout the Country, commencing in October and continuing regularly throughout the next twelve months.

From the personal recommendation of those who have tried it, there is now a substantial demand for this preparation, and you have probably already received enquiries for it.

We anticipate, however, that as a result of the extensive campaign we are now entering upon, there will be an immediate and large demand, and we feel we may with confidence recommend you to requisition stocks at once, so that you may be in a position to meet all early enquiries.

Virolax is packed in 4 oz. and 16 oz. tins at 1/- and 2/8, and is supplied to the Trade in 1 dozen boxes at 10/- and 27/- per dozen.

Terms: £3 orders carriage paid, less 5%. On orders over £5 an extra discount of 5% is allowed on condition that window display is made. These terms will also apply to combined orders for Virol and Virolax to the value of £3 and £5.

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Virol, Ltd., 148-166, Old Street, London, E.C.1.

MASON'S EXTRACT OF HERBS

can be made up successfully with Treacle.

Please apply for supply of descriptive bills for distribution or counter use, to

Newball & Mason
NOTTINGHAM.

"GLACIALINE"

The Original and Most Effective Food Preservative

The only Food Preservative that has ever been publicly awarded Gold and Silver Medals and Certificates of Merit for Purity and Harmlessness.

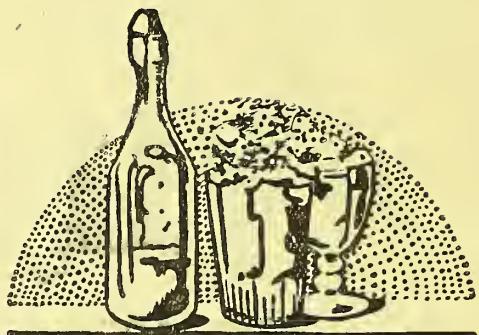


Full directions for use enclosed in every package.
Packed in 6d. and 2/- Packets and 2/3 Canisters.

FAVOURABLE TRADE TERMS UPON APPLICATION
TO THE

Sole Proprietors and Manufacturers:

**BURTON, BAKER & CO.,
16 EASTCHEAP, E.C. 3.**



The Finest Quality Aerated Waters are made only with the Finest Quality ESSENCES

BOAKE, ROBERTS'

Soluble Essences are of the finest quality and being extremely concentrated are most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash, Vanilla

**A. Boake, Roberts & Co. Ltd.
Stratford, London E.15.**

HAY'S

CONCENTRATED
SOLUBLE & FRUIT

ESSENCES

are Acknowledged to be the
finest in the Market for the
Manufacture of High-class
Aerated Beverages, Liqueurs,
Cordials, Syrups, &c.

LONDON

WILLIAM HAY, Ltd., Essence Distillers,

LONDON DEPOT—3 York Street, WALWORTH ROAD, S.E.17.

Head Office and Laboratories—HULL.

Telegraphic Address { "BUSHWORTH LONDON."
 "GINGER HULL."

Codes: A B C, 5th Edition;
and BENTLEY'S.

Orders for Two Gallons and upwards of Essence may be shipped under Bond.

Indentors when ordering should specify HAY'S Manufacture.

NOTICE TO THE TRADE!

Telegrams: "Kinvarage, Westcent, London."
Telephone: Museum 864.

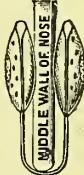
The Directors of the

BRITISH "ANTAPSAL" Co. Ltd.



Beg to announce that during the past few weeks their Company has undergone reconstruction, and that they have taken New Premises at 38 Great Ormond Street, London, W.C. 1, to which all future orders and communications should be addressed.

The "ANTAPSAL" NASAL APPLIANCE (invisible when worn) is patented in Great Britain and abroad. It is a transparent, self-acting, continuous and curative Inhaler, which rests with feather lightness quite naturally *inside the nostrils*, and may be worn with complete comfort and without attracting attention in the street, at work or asleep, and charges every breath with a soothing health-restoring medicament. Quickly clears nose, throat and chest, relieving stuffed nostrils and hard breathing. Can be applied easily or removed in a moment, and carried in a waistcoat pocket ready for use. A simple, harmless, pleasant and effective scientific remedy; everywhere approved by medical men, the nobility, clergy, and others who have tried it.



SPECIAL OFFER TO CHEMISTS. 13 Boxes "Antapsal" 60/- net
CASH WITH ORDER.



"It's in my nose - you can't see it - I can't feel it - only its wonderful effects."

"CATARONOL" OUTFIT

for Colds, Catarrh, Bronchitis, Stuffed Nostrils, Loss of Hearing, Hay Fever, Adenoids, Headache, Sore Throat, etc. etc.

"ASBRONATOL" OUTFIT

for Chronic Bronchitis and Asthma.

TRADE DISCOUNT 20%

The Appliance is in use in the leading Hospitals. Numerous testimonials have been received from eminent users. Press Advertising commences shortly, and all Chemists, Departmental Stores, etc., should obtain a stock in readiness.

Those who are willing to make a special Window Display should communicate with the company at once. Special terms allowed.

RETAIL PRICE:

6/6

RETAIL PRICE:

6/6

BRITISH ANTAPSAL Co. Ltd., 38 Great Ormond St., LONDON, W.C. 1

Real Good Lines

Pumisope "The Hand Cleaner."

Dry Cloth-cleaning Balls

(All Colours)

Precipitated Chalk

(Powder)

Prepared Chalk

(Powder and Cones)

Fancy Boot-top Cleaning Balls

(All Colours)

Magnesia, Rouge, &c.



HANCOCK'S, LTD.

"The Factory," OLD BATTERSEA, S.W.11.
WHOLESALE: Write for QUOTATIONS.

RENÉ HEYMANS

9/10 DOMINGO STREET

Tel.: CITY 3765. 36 OLD ST., E.C.1

Vulcanite DOUCHE FITTINGS

" Spare Parts

" Enema Pipes

" Whirling Spray Canules

BONE SHIELDS

BONE MOUNTS

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French CAPPING SKINS (opaque and transparent)

TOOTH COMBS

(Best Galalit)

POCKET COMBS

Cheap lines in NAIL FILES (bone and steel) carded.

SAFETY RAZORS and spare blades.

French SHAVING BRUSHES

NAIL CLIPPERS.

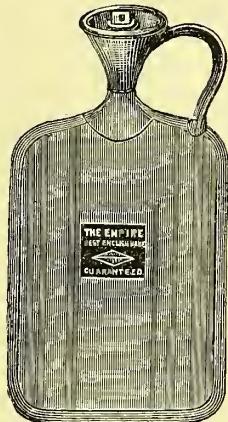
TOOTH BRUSHES

at low prices.

And all kinds of Surgical and Hygienic Rubber Goods.

HOT-WATER BOTTLES

THE "EMPIRE" BRAND



If you wish to keep up your reputation for reliable quality, you must continue to stock our "**EMPIRE**" brand of **Hot-Water Bottles**. Do not risk trying an unknown make.

One quality only—the Best. Guaranteed for two years. Prices as follows:

Sizes: inches	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	4/5	4/9	5/2	5/6	6/-	6/9	7/-	8/-

Each Bottle in a strong paper bag, with directions for use.

HOT-WATER BOTTLE COVERS. Scarlet or Grey Plush.

Sizes: inches	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	1/9	2/-	2/6	2/9	3/-	3/6	3/9	4/3

MUFF WARMER. Drab Rubber, 4×6 in. Each 2/-.

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated PRICE LIST, post free for the asking.

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91 & 92 GREAT SAFFRON HILL, LONDON, E.C. 1.

Best British Make.

The

Kenley Seamless Rubber Works

Teats, Soothers, Finger-Cots,
and every description of
Surgical Rubber Goods.

Inquiries invited. Samples submitted.
Wholesale and Export.

W. G. WOOLACOTT, 76 Lower Road,
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THE HOGARTH RUBBER CO.

SURGICAL RUBBER GOODS

OF EVERY DESCRIPTION.

31-32 King William St., London, E.C. 4

Telephone: CENTRAL 9618.

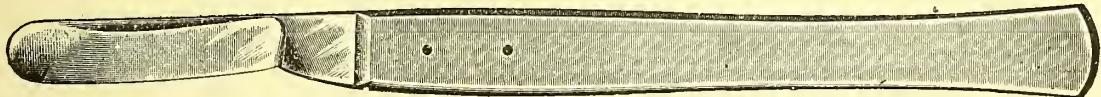
ELASTIC GUM SURGICAL INSTRUMENTS.



Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Oesophageal Instruments.
Horse Catheters and Cattle Prohangs. Wholesale and Export only. Price List from the Manufacturers.

MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON, E.C. 1.

"INTRINSIC" Brand (Highest Grade) SURGICAL KNIVES and SCISSORS.



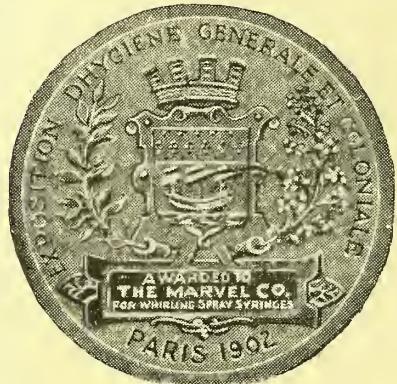
Inquiries invited by the ACTUAL MAKERS.
Amputating, Dissecting, and Veterinary Knives,
Symes, Scalpels, Bistouries, Lancets, etc.

J. MILNER & Co.

Orient Works: 36 & 38 Matilda St., SHEFFIELD (Estd. 1842).

A SATISFIED CUSTOMER IS THE CHEMIST'S BEST ADVERTISEMENT

The Marvel Whirling Spray Syringe



Gold Medal Awarded, Paris, 1902,
by the Société d'Hygiène of France

as the latest and best improvement in Vaginal Syringes. Particular attention is called to the fact that by reason of its peculiar construction the Marvel Syringe dilates and flushes the vagina with a volume of whirling spray, which smooths out the folds and permits the injection to come into contact with and cleansing the entire surface.

Fully Protected by Patents.



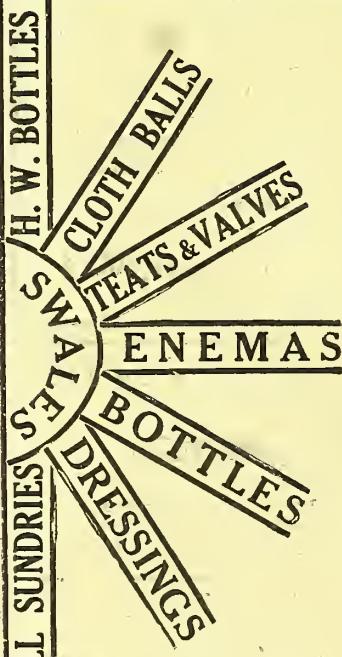
You can safely recommend it.

Has no rival on the market, is well advertised, pays a good profit, quality guaranteed. The MARVEL is returnable for exchange if found defective and reported promptly.

Trade price, 125/- per doz.

Retail price, 15/- each.

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ENLARGED
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QUICK
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Your Inquiries Esteemed for

Manicure Sets	from 2/- each
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Telegrams: "Aybelim, Finsquare, London."
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THOS. SWALES, DRUGGISTS'
SUNDRYMAN,
20 & 24 Butts Court, & 89 Albion Street, LEEDS

"TRIED & PROVED"

Razor Paste

IS YOUR RAZOR DULL?

SHEFFIELD

RAZORKENA

REGD. TRADE MARK NO. 283900
Will Sharpen the Dullest Razor.

DIRECTIONS WITH EACH PACKAGE
ANY RAZOR STRIP WILL DO
ONE DARE LASTS YEARS

THREE PENCE

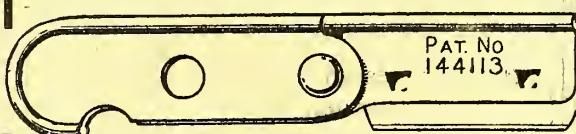
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Sells at Sight.
Stocked by
SANGERS,
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Warehousemen.

Send P.O. 6/6 for
Sample Parcel,
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Something New!**THE Gregorie
PATENT POCKET KNIFE**TO USE UP
OLD SAFETY RAZOR BLADES**The Best Selling Article
on the Market**

Sole Buying Agents Wanted.

G. W. GREGORY, Ltd.,
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Diary, 1920.]

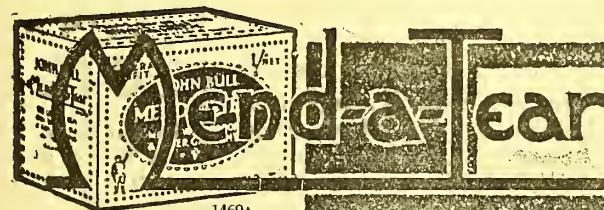
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(Red Mineralized and Arabesque).

BURGICAL, CHEMICAL, DOMESTIC ARTICLES, SYRINGES, ENEMAS, WATER BEDS.

Manufacturers of every description of INDIA RUBBER, Wholesale & Export only.

WM. WARNE & CO., Ltd., 29 Gresham Street, LONDON, E.C. 2.



mends tears better than needle and thread, and does it more quickly. It is a thoroughly useful line to carry, and the profit is excellent. Send for particulars.

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EXCELSIOR CREPE BANDAGES. FAST EDGE.

Owing to the War, the supply of Crepe Velpeau Bandages is discontinued. We, are, therefore, placing on the market a bandage of English manufacture which will be sold as

**GIMBER'S EXCELSIOR
CREPE BANDAGE**

An Elastic Bandage. Containing no India-rubber. Superseding Elastic Stockings, Webs, Bandages, and at half the cost. Three sizes, about 2, 2½, and 3½ inches wide. Exelsior Crepe Abdominal Binders.—Useful after many Abdominal Operations, and for ladies after confinements. Two sizes : 8 & 11 in. wide.

TRADE MARK.
CAUTION.—Beware of fraudulent and useless imitations, and reject all Bandages not bearing the above Trade Mark on the Wrappers.

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Wholesale of

W. GIMBER & SON Surgical Bandages and Instrument Makers.
And of all Wholesale Druggists, Chemists, Surgical Instrument Makers, &c.
Telephone : New Cross 1691. Descriptive Circular & Price List on application.

For GUARANTEED
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THE DEVILBISS CO., LIMITED
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"DIP-A-DIP" SEALING SYRUP

A Bottle-Capping Solution in which a bottle is dipped and a cap is immediately formed, entailing a minimum of labour. Supplied in White, Red, Blue, Gold, and Aluminium.

Per 25s. Gallon.

(Sample Pints 4s. through usual Sundries Houses).

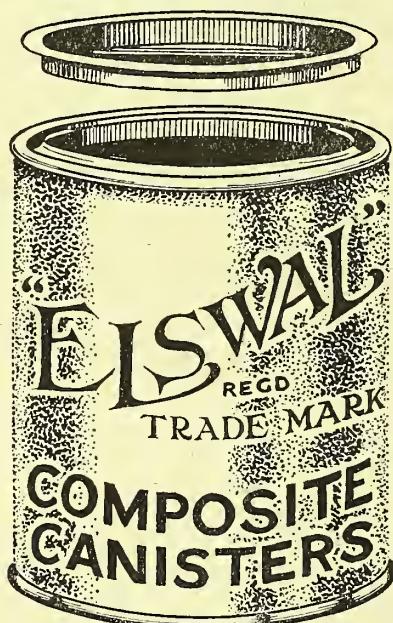
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Strikes, Freightage, and "Elswal" Canisters.

The serious aspect of freightage rates and shortage of transport, due to labour unrest, strikes and enforced fuel economy, presents a weighty argument in favour of the adoption of the "Elswal" Composite Canisters.

Eight times as light as glass or earthenware—cheaper in use—hygienic and unbreakable.

Suitable for all classes of preserves, ointments, etc.



A great cutter of costs for the up-to-date manufacturer who has sufficient vision to investigate their many unequalled advantages.

The "ELSWAL" COMPOSITE CANISTERS

Cheapest and best. Made in BRITISH MODEL FACTORIES and far away foremost in design and finish.

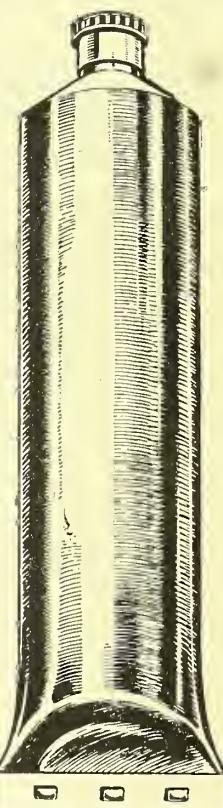
Not a "next-best" substitute for glass—A VAST IMPROVEMENT.

The Crescent, Cambridge St.,
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Telegrams: "ELSWAL, B'HAM."

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Tubes that attract

Let your collapsible tubes be more than mere containers

REMEMBER—the prospective customers see the tube first. When you are ordering your next supply get Venesta Tubes, they have that quality and finish that is going to help you sell the goods.

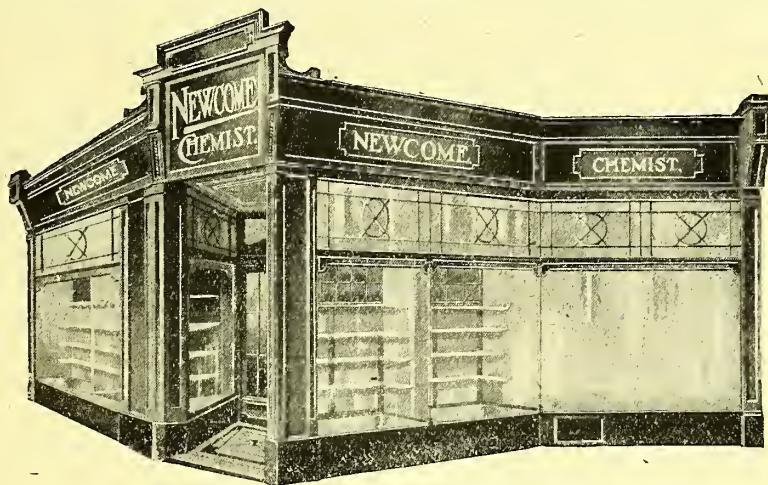
Made in pure tin, lead, and lead coated with tin, plain, enamelled and printed with designs to customers' own requirements.

Write for particulars and current prices—your inquiries will receive our immediate attention.

TIN FOIL

We also manufacture Tin Foil in sheets or reels, highly polished, plain, embossed or coloured, and suitable for every purpose.

Venesta Ltd.
Collapsible Tubes
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We are designers
and actual
manufacturers
of Shop Fronts
and interior fit-
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class of trade.

Complete in-
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carried out in
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*Shop Front erected at Grantham
in Oak and Granite.*

27 SUMMER ROW *PARNALL & SONS* BIRMINGHAM.
SHOPFITTING SPECIALISTS

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Something New in Home Dyeing

RALTY HOME DYES
are as clean as other Dyes
are sticky. The fingers touch
nothing but clean glass and a
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Press the bulb and the dye
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Profit by Ralty Advertising

and Showcards, Counter Boxes, Literature, &c.
The dye is practically fadeless, and put up in
25 standard colours.

*Send for Samples and Trade
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"Comet" Vacuum FLASKS.

Every flask tested at the
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Finest BLACKS and COLOURS (ALL SHADES)

*Soluble in Water, Spirit, Oil,
Turps, Benzoline, Glycerine,
Wax, Naphtha, Petroleum,
Creasote, in fact — anything.*

BLACK
FOR INK.

MARKING INK.

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Combined Preservative
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HOUSEHOLD DYES.

CARAMEL
COLOUR

in Powder.

Guaranteed
Harmless.

50 times the concentration
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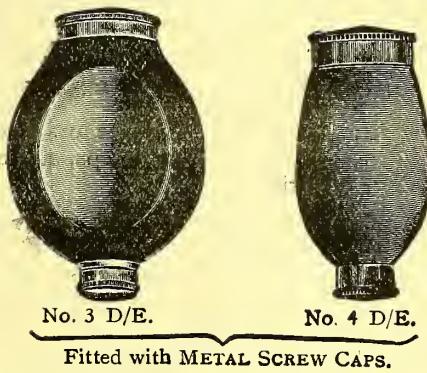
RHEUMSOL BATH SALTS in 1/- tins

WILLIAMS BROS. & Co.
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POCKET SPITTING FLASKS

FOR USE IN
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MADE IN DARK BLUE GLASS.

DOUBLE-ENDED



No. 3 D/E. No. 4 D/E.
Fitted with METAL SCREW CAPS.



No. 1.
Fitted with
SOLID NON-ABSORBENT
RUBBER PLUG.

No. 2. No. 3. No. 4.
Fitted with SUPER-NICKELLED BAYONET SCREW CAP.

Illustrations one-third actual size.

PRICES AND FULL PARTICULARS ON APPLICATION.

BEATSON, CLARK & CO., LTD.,
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SCREW CAPS

IN TIN, plain, lacquered or printed design. **SATIN FINISHED ALUMINIUM** and **NICKELLED ZINC**, plain or embossed. Any size or style.

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Pure Tin & Tin Coated

FRANK A. CONDUIT,
SUTTON HOUSE,
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LONDON, E.C.1.



**OAKLEY'S
"WELLINGTON"
KNIFE
POLISH**

The original and only reliable preparation for Cleaning and Polishing Cutlery, &c.

In Canisters, 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.

**JOHN OAKLEY & SONS, LTD.
MANUFACTURERS OF**

**Emery Cloth, Black Lead
GLASS PAPER, &c.**

"WELLINGTON" KNIFE POLISH

The Original Preparation for Cleaning Cutlery.
Canisters, 1d., 2d., 3d., 6d., 1s., 2s. 6d., and 4s. each.

SILVERS SMITHS' SOAP

For Cleaning & Polishing SILVER, ELECTRO-PLATE,
etc. Tablets, 6d.

"WELLINGTON" BLACK LEAD

In Solid Blocks, 1d., 2d., and 4d. each, and 1s. Boxes.

**Polishing Paste, Furniture Polish, Pile Powder, Rouge,
Urn Powder, Steel Polish, Crocus, Tripoli, Brunswick Black.**

Westminster Bridge Road, LONDON, S.E. 1.

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ESTABLISHED 1889

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Capping Materials Specialists,
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SEND US YOUR ENQUIRIES FOR

TIN BOXES**PLAIN or PRINTED**

For Ointments, Tooth Powders, etc.

HALL FORSTER & CO., Ltd.
NEWCASTLE-ON-TYNE.**"RAYOLENE"
BLACK JAPAN**

A high-grade Black Enamel, suitable for Gas Stoves, Fire Ranges, Mail Carts, Bedsteads, and all wood or ironwork. Guaranteed free from methylated spirits.

**"RAYOLENE"
OIL VARNISH STAINS**

Far superior to methylated spirit preparations and much easier to apply. Made in Oak, Walnut, Mahogany, and Rosewood. Write for complete Price List of Paints, Varnishes, and Enamels, etc. Factors and Export enquiries receive special attention. Agents wanted where not represented.

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South Shore - Blackpool - Lancs.**ELEY**
BROTHERS
LIMITED.**FANCY
GOODS
FOR DRUG
STORES.**SHAVING STICK CASES,
SHAVING BRUSH FERRULES
AND HOLDERS.SAFETY RAZORS with Genuine
Gillette Blades.ROUGE BOXES AND TOPS FOR
TALCUM TINS.SOAP BOXES IN METAL
AND SIMILAR WARE
in Brass, Electro-Plate —
Jewellers' Composition with
finish to your choice.

Address enquiries to

No. 21 DEPT.
ANGEL ROAD
EDMONTON
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WHITAKER & CO'S PAGE



"The LUTON HAT DYE I purchased was perfect."— STREATHAM COMMON.

GLOSSY SERIES also supplied if desired.

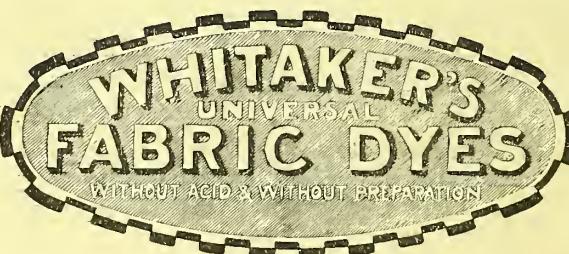
"I am very pleased with the GLOSSY HAT DYE. It has answered splendidly."— NOTTINGHAM.

LUTON STRAW HAT DYES

Special **NON-INFLAMMABLE SERIES** for Export.

From a Dealer :—

"I find your dyes sell well—in fact, better than any others I have had."— KNEBWORTH.



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"I think they are splendid."— KIDDERMINSTER.

Retail at 2d., 3d. and 6d. (Packed in neat cardboard boxes of 1 dozen.)

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Write to-day for Complete Price Lists and Patterns to
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Telegrams: "Dullette Kendal."

Telephone: No. 214.

London Office and Showrooms: Craven House, Kingsway, W.C. 2.

Telephone: Gerrard 1774.

Established 1878.

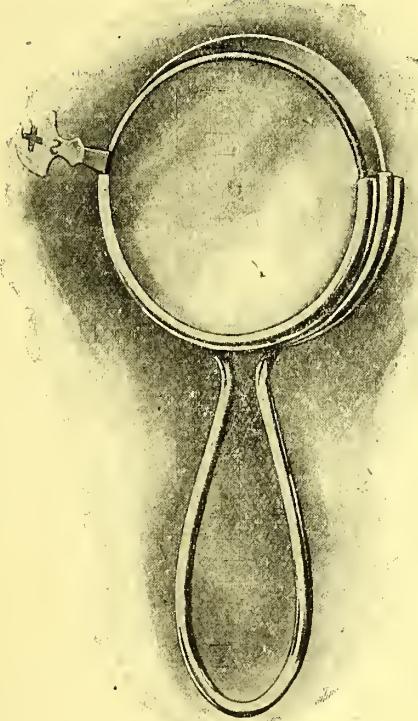
Telephones:
Private Branch Exchange
Holborn 1388 (3 lines.)

Telegrams:
"Astigmatic, Smith, London"
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RAPHAEL'S LTD.

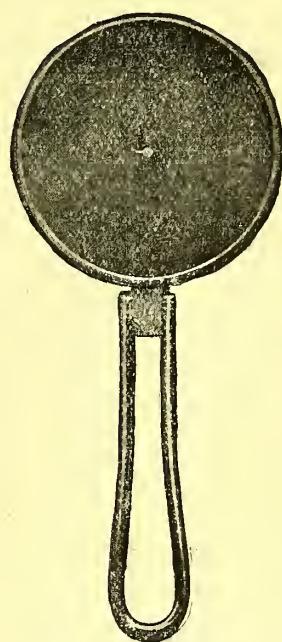
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THE "SIMPLEX."

With looped nickel-plated handle attached to three grooved holders, in the centre one of which is fixed a plane mirror 1½-in. diameter. For rapid and accurate work this instrument is ideal. The operator has only to select any lens from the trial case, place it in the groove and proceed with the examination.



THE "REFLEX."

Folding black metal handle, "Amphyl" plane mirror, 1½-in. diameter. The "Amphyl" mirror tones down the rays, and eliminates the irritation to patients often caused by the ordinary mirrors.

Write for further particulars of these and other Ophthalmological Apparatus.

May, Roberts' Traveller.

No. 4023 CITY.

LONDON & DUBLIN.

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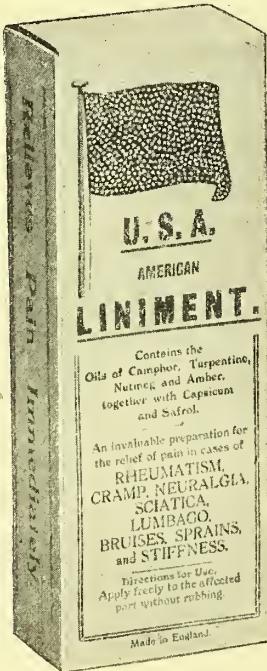
PER DOZEN

5% DISCOUNT

6 DOZEN LOTS

10/3

PER DOZEN

**10/6**

PER DOZEN

5% DISCOUNT

6 DOZEN LOTS

10/3

PER DOZEN



An enormous demand exists for a Warming Liniment of the American type.

May, Roberts' U.S.A. Liniment is a thoroughly satisfactory preparation, of proved efficacy, which can be confidently recommended.

It is a clear, bright, amber-coloured liquid, attractively bottled and labelled, and is packed in a striking carton in colours.

May, Roberts' U.S.A. Liniment can be delivered from stock.

MAY, ROBERTS & Co. Ltd.,

7/13 CLERKENWELL RD., LONDON, E.C. 1
and at 16 Westmoreland St., Dublin.

THE CHEMIST AND DRUGGIST

SUPPLEMENT



42 CANNON ST.
LONDON, E.C.4.

OCTOBER 30, 1920

This Supplement is inserted in every copy of *The Chemist & Druggist*

THE CHEMIST AND DRUGGIST SUPPLEMENT REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to Let, Goods and Shopfittings for Sale, and Agencies: 6/- for 50 words; every additional 10 words or less, 6d.

SITUATIONS OPEN: 6/- for 40 words; every additional 10 words or less, 6d.

SITUATIONS WANTED: 2/- for 18 words; every additional 10 words or less, 6d.

Legal Notices, Tenders, Auctions, and all specially spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column).

Miscellaneous (Wholesalers') Section, for odd and second-hand lots: 10/- for 60 words; 1/- for every additional 10 words or less.

EXCHANGE COLUMN (for Retailers, etc.). **TWO-PENCE** per word, minimum 2/-.

BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

All advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

EARLIER CLOSING FOR PRESS. Will advertisers please note that until further notice it will be necessary that Advertisements intended for the Supplement must reach us not later than the **FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION,

1.—VICTORIA (near).—General Retail and Dispensing Business; returns £35 weekly, with scope for considerable increase; stock-up shop; rent £52 yearly; price £1,200.

2.—LONDON, N.—General Retail and Photographic; returns between £32 and £35 weekly, at excellent profits; single-fronted shop; good working stock; 6-roomed house; rent £35; held on lease; no opposition; price to be arranged.

3.—LONDON, S.W.—Cash Retail and Photographic Business; returns £38 weekly; gross profit 42%; double-fronted shop, well fitted and stocked; lease 1½ years to run, at moderate rental; price £1,400 or near offer.

4.—MIDDLESEX (Suburban).—General Retail Business, with I.H.I. Dispensing; returns £20 weekly, with scope for increase; single-fronted shop, nicely fitted; ample stock; extremely low rent; price to be agreed equitably.

5.—ESSEX (Popular Watering Place).—Retail and Dispensing business; all good middle-class trading; returns £2,500; opening or extended trade; comfortable residence; held on lease.

6.—EASTERN COUNTIES.—Very old-established Business, situated in the centre of market town; attractive shop, fully stocked, above the average; returns about £6,500; excellent profits; terms, valuation and sum for goodwill, or lump sum entered.

7.—KENT.—Good-class Retail and Dispensing Business, situated in a centre of good market town; returns over £50 weekly, at full rates; there is a residence with private entrance, bathroom; valuation terms entertained.

8.—MANCHESTER (within easy distance of).—Mixed Retail Business, with Optical connection; returns £2,500; net profit £750; well-stocked shop; held on lease at a low rental; price £1,750, or valuation of stock and fixtures and sum for goodwill to be agreed.

9.—SEASIDE (within easy reach of London).—Light Retail Business, chiefly ready money; returns approach £8,000 per annum, at usual prices; scope for further development; attractive, well-fitted shop, heavily stocked.

10.—MIDLANDS (Large Town).—General Retail and Dispensing Business; established many years; returns exceed £60 per week; net profit 25%; held on lease at a rental of £80; price to be arranged.

11.—YORKSHIRE.—Cash Retail Business; returns about £3,000, with scope for great increase under energetic management; low rent; new lease will be granted; terms, goodwill £200; stock and fixtures at valuation.

12.—NORTH MIDLANDS.—General Retail Business; returns over £2,500; books open to investigation; double-fronted shop; moderate rental; new lease will be granted; price about £1,500.

13.—SOUTH OF ENGLAND.—Old-established Business, mostly own Proprietaries and Prescribing; returns last year between £11,000 and £12,000, at excellent profits; further details on application.

14.—WARWICKSHIRE.—Old-established Business; Wholesale and Retail; returns £10,000 per annum; gross profit about 33%; scope for large increase; further details on application.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Invoicing as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

VALUERS & TRANSFER AGENTS

35 Jewry Street, Fenchurch Street, E.C.3

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—BUCKS.—Sound Light Country Retail, in best portion of small market town; returns over £2,250, increasing; easily worked; large house and garden; stock and fixtures worth £1,100; price £1,600, or £2,700 including freehold; £600 can remain on mortgage.

2.—LONDON, N. (Main Road).—Old-established Cash Retail and Prescribing, returning about £30 weekly, plenty of scope; seven-roomed house, recently done up; well fitted and stocked; price for quick sale, £900 or near offer.

BUSINESSES WANTED.

MESSRS. BERDOE & FISH have at the present time several clients desirous of purchasing Businesses within 100 miles of London, requiring cash from £1,500 to £3,000. Also in suburban London, £1,000 to £2,000.

We can guarantee quick sales with the utmost privacy; particulars received in strictest confidence. Terms sent on application.

STOCKTAKING VALUATIONS.

We are now booking dates for November and early December. All valuations promptly and carefully carried out.

ESTABLISHED 1870.

THE ASSOCIATION OF MANUFACTURING CHEMISTS

— LIMITED —

*Chemists' Transfer Agency, Auction
and Valuation Department,*

**Head Offices—31 Kimberley House,
14-17 Holborn Viaduct, London, E.C.1**

Telephone: City 6942. Teleg. Add.: "Asmanist, Cent., London."

**Liverpool Office—35, 36, 37 Exchange Chambers,
2 Bixteth Street Liverpool**

We have the following Businesses for disposal:

1.—**SUTTON, SURREY.**—Good old-established Retail Dispensing Chemist's Business; held on lease, with 16 years to run; rent £100; excellent dwelling accommodation; well-fitted shop; good stock; returns average £30 per week; scope for increase; offers invited.

2.—**SOMERSET.**—Good-class Family Retail, in main thoroughfare of busy town; further particulars on application.

3.—**PICCADILLY.**—Retail Dispensing Chemists; lock-up shop; rent £95 p.a.; tenancy agreement with six years to run; returns average £1,800 p.a.; majority ready money, but good accounts carried; stock estimated £600; under management; it has been hands four years; nicely fitted; net profits estimated £350; offers invited.

4.—**BUCKS.**—Good-class Retail and Dispensing Business in main thoroughfare of busy town. Fullest particulars on application.

5.—**SOUTHEND-ON-SEA.**—Good Retail Dispensing Business; bold corner shop and excellent living accommodation; returns average £50 per week; long lease and reasonable rent; very nicely fitted and excellent stock.

We have a large number of Chemists on our Register requiring Businesses on the South Coast and West of England, and should be glad to hear from intending Vendors, with full particulars of their Businesses. Our methods are strictly confidential, and we are constantly in touch with genuine Buyers, both Wholesale and Retail. Valuations prepared for Purchase, Sale, Income Tax, Balance Sheet, Probate, etc.

PARSON C. BAKER Ph. C., M.P.S., Wm. ROOKE ROBERTS, M.P.S., F.S.M.C.

174 Victoria Street, S.W.1. Tel: Victoria 27.

Valuers for Purchase, Sale, Probates, Income Tax, Balance Sheet, etc.

Recommended by The British Drug Houses, Ltd., Messrs. Meggeson Ltd., Messrs. Barclay & Sons, Ltd., and many other leading Wholesale Houses. Valuers to the Association of Manufacturing Chemists.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,

AND EXPERT STOCKTAKERS.

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

NOTICE.

WILL Wholesalers please note that Messrs. Bell & Bell, Chemists, 20 Sheep Street, have now removed their Business to the West End Pharmacy, Chapel Street, Rugby, and Charles Bell, proprietor, desires all accounts and communications sent to new address.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

LONDON, S.E.—Sound Business, in good position in main road, with N.H.I.; practically no booking; annual turnover over £2,500, and still increasing, at excellent rate of profit; rent £60 per annum, including house attached; satisfactory lease; owner is prepared to accept cash offer; inquirers please mention banker's name. Apply 187/14, Office of this Paper.

SOUTH LONDON.—Good-class Retail and Dispensing, established 40 years; wine licence; scope for considerable increase; present returns £3,000. Apply 187/13, Office of this Paper.

SOUTH MIDLANDS.—Immediate Disposal, unopposed Prescribing and Light Retail Business; present hands nine years; no oils or heavy trade, with rapidly growing Sight testing and good nucleus of Dental practice; large ten-roomed house in good repair; healthy locality, with good school; cash buyers with about £1,100 only entertained for freehold and business; stamped envelope. "Apply 'Dioptric'" (184/30), Office of this Paper.

YORKSHIRE.—Manufacturing city; middle-class Chemist and Photographic Business; Kodak Agency; strictly cash business; takings £42 weekly; fair N.H.I.; low rent; easily worked; small house attached; genuine offer; health cause of sale; cash buyers only; price £1,200. Apply 187/11, Office of this Paper.

MAIL-ORDER SPECIALTIES.—Immediate Sale; big profits registered trade-marks, formulas, etc.; established over 14 years; £250 cash price for goodwill; put-up stock at net cost and printing; principals only answered who give their bankers name. "Progress" (25/8N), Office of this Paper.

OLD-ESTABLISHED Suburban Business, in seaport town on South Coast, for Sale; well-fitted lock-up shop, with room and store adjoining; every scope for development; price, valuation of stock and fixtures, or fixtures only if desired; good reasons for selling. 189/40, Office of this Paper.

PATENT Medicine for Sale; registered Company, complete with stocks; sacrifice, £500 cash, £250 shares. Particulars Middletons & Son, Norfolk House, E.C.4.

FINANCIAL.

A WELL-KNOWN Chemical Manufacturer seeks additional capital for the purpose of acquiring new premises and plan for the execution of business offering far in excess of possible output of present works; accountants' figures certifying highly profitable working for the last 10 years can be furnished, as also proof of world demand in increasing quantities for finished products, ability to meet home and foreign competition and availability of raw material; amount required £25,000 in the case of manufacturing concern having land and steam available, or £50,000 otherwise; principals only. Please write 4/69B, Office of this Paper.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

LEEDS.—Genuine Business required, or Partnership with view to succession; cash available. Fullest particulars to 180/28, Office of this Paper.

BUSINESS, Partnership, or Management, with view to succession; district not particular, but accommodation essential; neglected business not objected to if position good. Apply 187/4, Office of this Paper.

BUSINESS required at once, in Birmingham or near. Write, stating full particulars and price for cash, to 185/25, Office of this Paper.

BUSINESS wanted, London, West End or N.W.; established Chemist's Business required, with fair proportion of Photographic trade. Write Box 916, Sells' Advertising Offices, Fleet Street, E.C. 4.

CHEMIST requires to purchase for cash a small Business; neglected one not objected to; living accommodation essential. Send full particulars to "Webs" (187/35), Office of this Paper.

EXCHANGE or PURCHASE.—Good-class Retail and Dispensing Business required in healthy inland town or suburb, yielding not less than £500 net profit; must have modern house attached, or, if lock-up shop, a house available with vacant possession; advertiser wishes a smaller business, and idea of exchange would be entertained. Apply 181/39, Office of this Paper.

SMALL Drug Store wanted; neglected one not objected to, or suitable empty shop; accommodation preferred, but not essential; in or near London. Full particulars to "R.", 46 Hathaway Road, Croydon.

SMALL London Business wanted in good district with house accommodation, if possible, by experienced Pharmacist; Manager-Partnership taken into consideration; West-End and Continental experience. Apply, in confidence, with full particulars, Edwards, 21 Eardley Crescent, Earl's Court, S.W.

SOUND Business required for cash; £4,000 to £6,000; agreeable locality; South of Birmingham. J. Smith, 24 Leamington Road Villas, Westbourne Park, London, W. 11.

£10 BONUS offered for information leading to purchase of small, up-to-date Pharmacy; one with scope for increase; suburban London, Southern County, or coast; £5 leading to acquisition of freehold or leasing suitable vacant premises; cash buyer up to £1,000. Henchley, 35 Hampton Place, Brighton.

AGENCIES.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

NORWEGIAN export firm desires connection with reliable agent or commission house in London for the sale of Medicinal Oil Liver Oil. Appliers should be familiar with the Drug trade calling frequently on consumers. Reply to "Export," 183/3, Office of this Paper.

NIRM of Manufacturers' Agents, with large connection throughout Scotland among Wholesale and Retail Chemists (office in central position of Glasgow) are open for an additional Agency. 87/25, Office of this Paper.

DERFUMERY House required, to represent at once, Northern Counties, by leading Sales Agents; connection with all leading Chemists and Stores; only first-class Manufacturers, able to cope with immediate business, entertained; commission basis, apply to "Perfumery" (188/23), Office of this Paper.

DOPRIETARY Article, stocked by all leading Wholesale Houses. Manufacturers require Agents, with good connections among Chemists and proved selling abilities, to handle the on commission terms; applications from Wholesale firms with extensive selling organisations especially considered; foreign and Colonial inquiries invited. P.C.B. 30/7, Office of this Paper.

VELLE-ESTABLISHED Yorkshire firm require a few good Agencies; sole agencies preferred for agreed territory; advertisers have first-class up-to-date offices and warehouses, also a staff of six competent Salesmen covering the whole of U.K., calling upon Chemists, Stores, etc. Apply 183/40, Office of this Paper.

WHOLESALE Agents required throughout Great Britain and Ireland, with good connections amongst Chemists, to increase sales of a well-known established line; state ground covered, number of Travellers, and whether prefer buying agency or on commission. R.R. 16a Rockingham Street, London, S.E. 1.

SALES BY AUCTION.

PRELIMINARY ANNOUNCEMENT.

To be Sold by Auction by **PATERSON & THOMAS**, early in November, at the Law Association Rooms, 14 Cook Street, Liverpool, unless previously disposed of by private treaty:—

Lot 2.—Shop and Dwelling-houses, Nos. 41 and 43 Litherland Road, Bootle, together with the Chemist's Business now carried on in No. 41, or if not sold with the Business, Fixtures, Fitings, etc., then the property will be sold with Vacant Possession of No. 41. Leasehold 999 years. Ground rent £5 10s. per annum.

Solicitor: H. H. Bell, 34 South John Street, Liverpool.

Apply for particulars of both lots to Paterson & Thomas, Estate Agents and Property Auctioneers, 16 Cook Street, Liverpool.

By order of the Owners.

STOCK, FIXTURES, FITTINGS, AND PLANT

of a

DENTAL PASTE AND FACE CREAM MANUFACTURING CO., including the SOLE RIGHTS of two well-known TRADE MARKS, "AURA," "YVONNE,"

together with the whole STOCK, MACHINERY, MATERIALS (not made up), Powder and other Boxes, Cartons, Stationery, Tubes, Polish, Pots, 7 Jars, Face-cream, Bottles, Labels, Gold Discs, Bands, Tapes, Wrappers, Advertising Slips, Showcards, Brass Screw Caps for Jars, and all other stocks, such as Antimony Photo Frames, Tooth Brushes, Manicure Sets, Hair Slides, Combs, Razors, Safety ditto, over 1,000 doz. tubes of Tooth Paste and Powder, Shampoo Powders, Rubber Goods, including Baby Bottle Teats, Soothers, Enemas, Whirling Sprays, Rubber Gloves, Surgeons' Finger-stalls, Hot-water Bottles, Cotton Wool, Glass and Vulcanite Syringes, Ice Bags, and Rubber Soles.

The PLANT includes Brooks's patent Tube-filling Machines, ditto Closing, Stamping Presses, Powder Presses, Gardener's Rapid Mixer and Sifter, Pattern Cutters, etc.

Also the WHOLE of the OFFICE AND OTHER FURNITURE.

M. A. SYMONS & SONS, of the Moorgate Auction Rooms, Ltd., will Sell the above by Auction, on the premises, 25 Duncan Terrace, Islington (near the Angel Tube Station), on WEDNESDAY, NOVEMBER 17th, at 12 o'clock.

On view Monday and Tuesday previous and morning of Sale. Catalogues and full particulars of the Auctioneers, The Moorgate Auction Rooms, Ltd., 23 & 25 Moorfields, E.C. (Tel.: 9220 London Wall.)

FOR SALE.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

AVERY'S Personal Weighing Machine; 6 gross boxes, 5 $\frac{1}{2}$ x 4 $\frac{1}{2}$ x 1 $\frac{1}{2}$, and smaller sizes; 3 doz. Bay Rum; 1 gross Lime Creams; cheap to clear; exchange for Silent Salesman or National Cash Register. Apply 179/28, Office of this Paper.

FOR Sale, "Amadou," about 60 lb.; what offers, whole or part? Apply 23/33M, Office of this Paper.

TINS, 15 gross, $\frac{1}{2}$ oz., lacquered, printed "Vaseline," 4s. 6d. gross; Water-jacketed Pan, 12 gallons capacity, galvanised-iron lining, fitted brass draw-off tap, £5 10s. Apply 188/15, Office of this Paper.

WHAT offers for 3-lb. Wormwood, 3-lb. Juniper Berries, 7-lb. Gum Copal, 1-lb. each Gum Juniper and Pulv. Gum Juniper. Apply H. S. Hogg, Chemist, Ulverston.

12 OZ Quinine Sulph., 4s. 6d. oz.; 8 oz. Quinine Bisulph., 4s. 9d. oz.; 2 lb. Ol. Caryoph. Ang., 16s. 6d. lb.; 2 lb. Iodine Resuh., 18s. lb.; 2 lb. Pot. Iodide, 16s. 6d. lb.; 2 lb. Cocous Pulv., 5s. lb.; 4 oz. Carmine, Pure, 2s. 6d. oz.; 4 oz. Ol. Neroli Opt., 75s. oz.; will divide; post free 30s. value. J. Adamson, M.P.S., 47 Bedford Street, W.C. 2.

SITUATIONS OPEN.**RETAIL.**

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

LONDON, N.—Required (immediately), Junior Assistant for Counter and N.H.I. Dispensing; usual hours; Thursday half-day. Apply by letter, giving particulars, references, and salary required, to "J. H." (187/20), Office of this Paper.

LONDON, S.W.—Assistant wanted in good-class business, chiefly for Photography. Apply, by letter only, giving full particulars, to "J. F.", 88 Mexfield Road, East Putney, S.W. 15.

MANCHESTER.—Junior Assistant (outdoors) wanted at once; Light Retail and Dispensing; energetic and trustworthy; permanency; state age, height, experience, references, and salary required. Beal, 446 Rochdale Road.

NEWCASTLE-ON-TYNE.—Competent Assistant required for about November 15th, not necessarily qualified, but who has had experience in a good-class Dispensing business, and is a reliable, neat, and accurate Dispenser; moderate hours; no N.H.I. or Photographic. Please give full particulars of experience, references, and salary required, to W. Owen & Son, 151 Barras Bridge.

NORTH STAFFORDSHIRE INFIRMARY, STOKE-ON-TRENT.
A General Hospital with 280 Beds and a large Out-Patient Department.

PHARMACIST.

Wanted, Chief Dispenser (M.P.S.). Hospital experience, though not essential, would be considered an advantage.

An Assistant (with Apothecaries' Hall qualification) is provided. Salary £250 per annum, plus £27 6s. per annum for Dispensing at Special Clinics.

Applications to be sent to the undersigned, stating age, experience, etc., together with two or three testimonials or references.

W. STEVENSON,
Secretary and House Governor.

22nd October, 1920.

YORK.—Junior for good-class Store business; good Counter hand and knowledge of Photography essential. Age, height, salary required, references, and photo (to be returned) to Brown's Drug Co., Rexall Pharmacy, High Ousegate, York.

BRANCH Manager; Staffs; accustomed to good-class and agricultural trade; good house attached. Apply, with usual particulars and photo (to be returned), to Lands, Chemists, Coalville.

JUNIOR or Improver; 18 to 20 years; 44 hours per week; preference given to one wishing to qualify. Apply, giving particulars as to age, experience, and wage required, enclosing copies of references, to Manager, Drug and Dispensing Department, Stockton-on-Tees Co-operative Society, Ltd.

JUNIOR Assistant wanted (outdoors); one accustomed to Dispensing (good-class); applicant must be reliable and energetic, have first-class references, and be resident in London or suburbs. Apply by letter, stating age, height, experience, and salary required, to "A 1" (29/24P), Office of this Paper.

LADY Assistant or Improver wanted (Manchester); short hours, 8.30 to 5.30, 1 o'clock Saturdays; state age and wages required. Apply 183/39, Office of this Paper.

LADY Assistant outdoors) for Counter work, and assist with Insurance Dispensing in the evening. Apply, stating age, salary, references, and photo, to V. H. Hogg, Chemist, Bideford, N. Devon.

MUNICIPAL TECHNICAL COLLEGE, SWANSEA.

Acting Principal: T. Gilbert Jones, M.Sc., Wh.Sc., A.M.I.C.E.

LECTURESHIP IN PHARMACY.

Applications are invited for the above Lectureship. Salary £400 per annum. The appointment is a whole-time one in the Chemistry Department of the College.

The Lecturer will be chiefly required to give instruction in Pharmacy and Materia Medica to students preparing for the professional Examinations of the Pharmaceutical Society of Great Britain, but qualifications in Botany and Chemistry are desirable.

Applications, stating age and particulars regarding training, qualifications, and experience, accompanied by copies of testimonials, to be sent to the undersigned not later than Monday, November 1st.

T. J. REES, B.A.,
Director of Education.

Education Offices, Swansea.
11th October, 1920.

QUALIFIED; early in November; 25-35 years; outdoors; reliable Managing Assistant for growing, good-class Light Retail and Dispensing; twenty miles London; good prospects for man who will interest himself in the business. Please send full particulars, salary required, etc. to 188/34, Office of this Paper.

TH E PROSSER ROBERTS CO. require a Junior Assistant for quick Counterwork and accurate Dispensing; previous Retail experience essential. Apply in person, 323 Walworth Road, S.E.

WANTED, qualified Chemist as Branch Manager; must be energetic and full of resource, with a good knowledge of Photography and Agricultural Chemicals; highest references; applicant should be resident in London or N.W. districts. Apply, stating age, full experience, and salary required, to "Statim" (29/24D), Office of this Paper.

WANTED, experienced unqualified Assistant for good-class Dispensing; country business; easy hours. Give full particulars age, experience, references, salary required, etc., to Harrison, Pharmacist, Grayshott, Hindhead, Surrey.

YOUNG lady to manage Retail Drug Store for Chemist; a fair experience necessary; resident in Nottingham essential; 22-30 years of age; progressive wages. Apply 187/18, Office of this Paper.

WHOLESALE.

LANCASHIRE house desires to communicate with a gentleman as Representative, calling upon Doctors and Chemists in the Midlands, Yorkshire, and North, to Carlisle; an interest would be considered to suitable persons after probationary service; gentleman of good standing and address and having sound knowledge of the Drug trade only will be considered. Please state qualifications, experience, etc., in confidence, to 189/8, Office of this Paper.

LONDON.—Wholesale Druggists require experienced Wet and Dry Counter Hands. Write, stating age and full particulars at first instance, to "A. W. W.", Dakin Bros., Ltd., 82 Middlesex Street, E. 1.

LONDON Chemical Merchants have vacancy for a Salesman and Market Clerk having good knowledge of heavy chemical trade; good prospects for a suitable man. Applications will be treated in confidence, but must give full particulars as to age, experience, salary required, etc. Apply 48/3B, Office of this Paper.

MIDLANDS.—Qualified man, not under 30, to take up a position in a department of Wholesale house; must be tactful and able to control staff; permanency, with excellent prospects of advancement. "Midlands" (188/7), Office of this Paper.

COMMISSION Representatives wanted for a high-class preparation with tremendous sales; generous commission and sole territory granted to each man; the article is in daily use, and many of my men are making from £3 to £6 per week; kindly give full particulars in first letter. Apply 187/3, Office of this Paper.

ENERGETIC Salesman or Saleswoman required to sell Medicinal Tablets, high-class French Perfumery and Toilet preparations, especially in the West-End. Write 6/36C, giving particulars of previous experience, salary and commission required, Office of this Paper.

FIRST-CLASS Toilet and Perfumery house requires energetic and capable Salesmen, resident in various parts United Kingdom; lucrative rate of remuneration offered to Salesmen of energy and ability; no exception taken to applicant representing one non-competitive house; energetic and consistent workers only need apply. State full particulars, age, references, if disengaged, etc., to "High Speed" (1/21A), Office of this Paper.

LADING firm of manufacturers of rubber goods for the Chemists' and Druggists' trade require Travellers for all parts of the British Isles to represent them on a commission basis; only those with established connection amongst Druggists' sundry men and leading rubber houses will be considered; generous terms and every assistance to suitable applicants; other interests not objected to. Apply, in writing, giving full details of district where present connection is established, 182/33, Office of this Paper.

MILL MAN.—Young man, some experience Drug Grinding, wanted to take charge small grinding plant, Wholesale Druggists, South London. Particulars, stating age, wages required, to 48/2B, Office of this Paper.

QUALIFIED Chemist for Analytical Department; must be able to perform all the B.P. standardisations and tests, water analysis, etc. Apply, giving full particulars of experience, age, and salary required, Bleasdale, Ltd., York.

WANTED, by a Firm of Manufacturing Chemists,

FIRST-CLASS REPRESENTATIVES,
ON COMMISSION BASIS,

for the sale of

CINEMA, HOUSEHOLD, HOSPITAL,
SANITARY, SURGICAL, AND FACTORY
DISINFECTANTS.

Apply to 175/12, Office of this Paper.

REPRESENTATIVE.—Required by Wholesale firm, a thoroughly experienced Representative, who can get orders from Chemists and do propaganda work amongst Medical Men in the Eastern Counties; applicants must live or be willing to live on this area, and must have live, established connection. State salary required, previous experience, etc. in first letter to 48/4B, Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

BRUSSELS.—Messrs. C. H. Delacre & Co. require an Assistant for their Retail Pharmacy in Brussels; good experience necessary, but qualification not essential. Please apply, giving full particulars, and enclosing photograph, if possible, to F. W. G., Allen & Hanburys, Ltd., Bethnal Green, E.

RIVIERA.—Assistant 26-28 years, for season. Full particulars, height, photo (returned), etc., Brearley & Basooul, Cannes, France.

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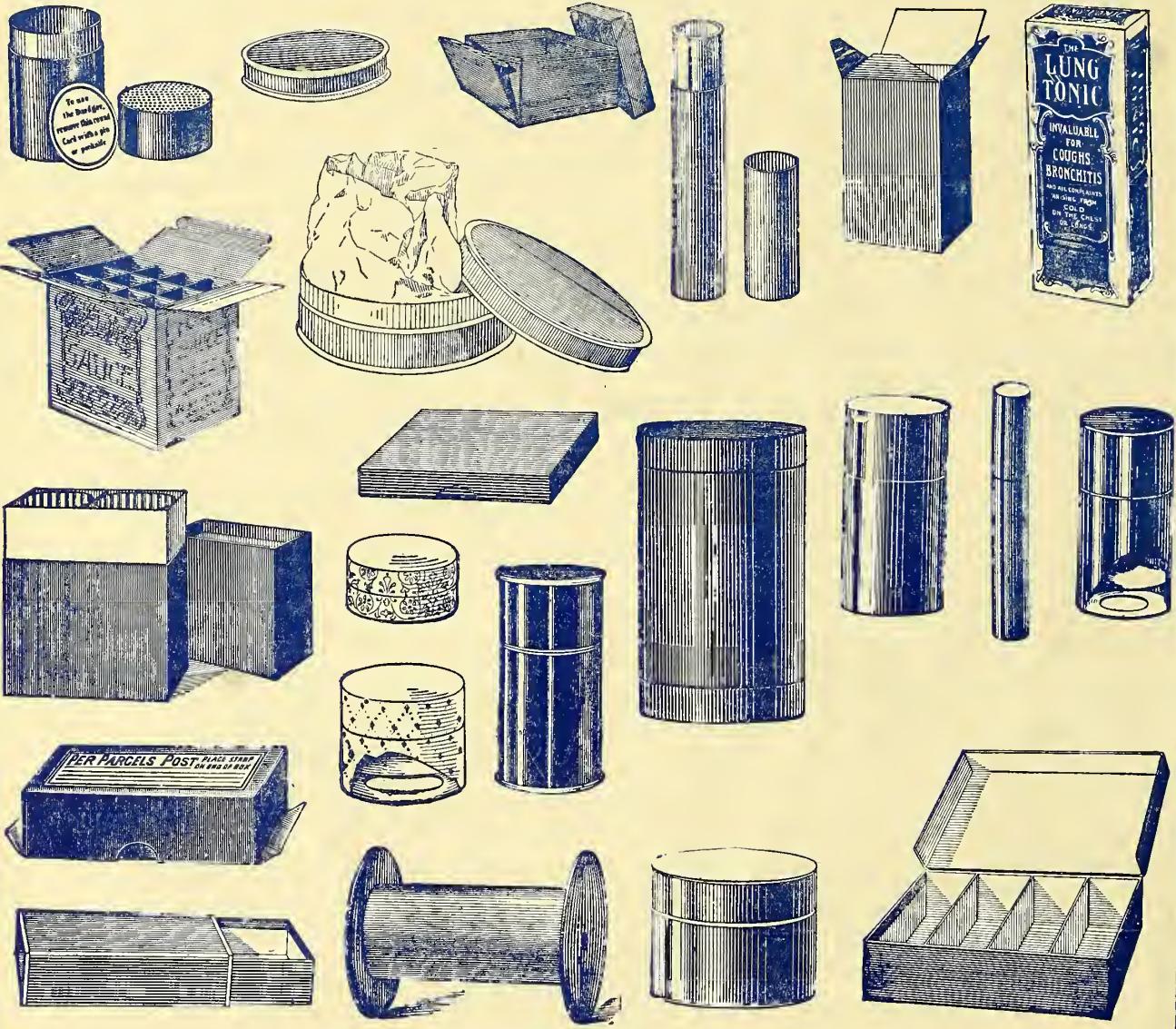
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